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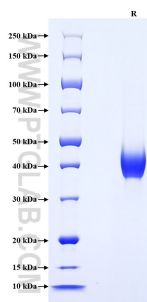
# Recombinant Human PRRG1 protein (rFc Tag)



Catalog Number: Eg4097

| Basic Information        | Species:<br>Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Purity:<br>>90 %, SDS-PAGE | Tag:<br>rFc Tag |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------|
| Technical Specifications | <p><b>Purity:</b><br/>&gt;90 %, SDS-PAGE</p> <p><b>Endotoxin Level:</b><br/>&lt;0.1 EU/ µg protein, LAL method</p> <p><b>Source:</b><br/>HEK293-derived Human PRRG1 protein Ala21-Leu83 (Accession# O14668-1) with a rabbit IgG Fc tag at the C-terminus.</p> <p><b>GeneID:</b><br/>5638</p> <p><b>Accession:</b><br/>O14668-1</p> <p><b>Predicted Molecular Mass:</b><br/>33.9 kDa</p> <p><b>SDS-PAGE:</b><br/>36-45 kDa, reducing (R) conditions</p> <p><b>Formulation:</b><br/>Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p> |                            |                 |
| Biological Activity      | Not tested                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                            |                 |
| Storage and Shipping     | <p><b>Storage:</b><br/>It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"><li>• Until expiry date, -20°C to -80°C as lyophilized proteins.</li><li>• 3 months, -20°C to -80°C under sterile conditions after reconstitution.</li></ul> <p><b>Shipping:</b><br/>The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>                                                                                                                                                        |                            |                 |
| Reconstitution           | Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                            |                 |
| Background               | <p>PRRG1, or proline-rich and Gla domain 1, is a protein-coding gene in humans. It encodes a vitamin K-dependent, gamma-carboxyglutamic acid (Gla)-containing, single-pass transmembrane protein. This protein features a Gla domain at the N-terminus, which is essential for the post-translational gamma-carboxylation of specific glutamic acid residues by a vitamin K-dependent gamma-carboxylase. The C-terminus of the protein is proline-rich and contains PPXY and PXXP motifs, which are found in various signaling and cytoskeletal proteins.</p>                                                                          |                            |                 |
| References               | <p>1.Kulman JD. et al. (1997) Proc Natl Acad Sci U S A. 94(17):9058-62.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                            |                 |
| Synonyms                 | <p>PRGP1, Proline-rich gamma-carboxyglutamic acid protein 1, Proline-rich Gla protein 1, TMG1, Transmembrane gamma-carboxyglutamic acid protein 1</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                            |                 |

## Selected Validation Data



Purity of Recombinant Human PRRG1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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