

For Research Use Only

Recombinant Mouse PDGF R alpha/PDGFRα protein (His Tag)



Catalog Number: Eg1625

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: His Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <1.0 EU/ μg protein, LAL method</p> <p>Source: HEK293-derived Mouse PDGF R alpha/PDGFRα protein Leu25-Ala528 (Accession# P26618-1) with a His tag at the C-terminus.</p> <p>GeneID: 18595</p> <p>Accession: P26618-1</p> <p>Predicted Molecular Mass: 57.5 kDa</p> <p>SDS-PAGE:</p> <p>Formulation: Lyophilized from sterile 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>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: 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>Platelet-derived growth factor receptor alpha (PDGFRA, also known as CD140a) is a cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. PDGFRA is implicated in the regulation of embryonic development, tumorigenesis, cell proliferation, survival, and chemotaxis. Mutations in the PDGFRA gene have been associated with idiopathic hypereosinophilic syndrome, somatic and familial gastrointestinal stromal tumors, and a variety of other cancers. PDGFRA and PDGFRB belong to receptor tyrosine kinase (RTK) family and function as receptors for platelet-derived growth factor (PDGF). PDGFRA is the only identified receptor to mediate PDGFA function in GBM.</p>		
References	<ol style="list-style-type: none">1. Andrae J, et al. (2008) Genes Dev. 22(10):1276-312.2. Ricci R, et al. (2015) Mod Pathol.3. Gai QJ, et al. (2022). Signal Transduct Target Ther. 7(1):33.		
Synonyms	Alpha platelet-derived growth factor receptor, Alpha-type platelet-derived growth factor receptor, CD140 antigen-like family member A, CD140a, EC:2.7.10.1		

Selected Validation Data

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

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