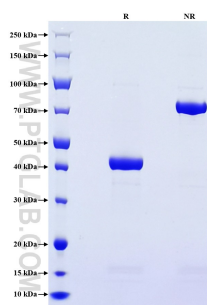


# Recombinant Human Angiogenin protein (mFc Tag)

Catalog Number: Eg1931

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: mFc Tag
Technical Specifications	<p><b>Purity:</b> &gt;90 %, SDS-PAGE</p> <p><b>Endotoxin Level:</b> &lt;0.1 EU/ µg protein, LAL method</p> <p><b>Source:</b> HEK293-derived Human Angiogenin protein Gln25-Pro147 (Accession# P03950) with a mouse IgG Fc tag at the N-terminus.</p> <p><b>GeneID:</b> 283</p> <p><b>Accession:</b> P03950</p> <p><b>Predicted Molecular Mass:</b> 41.8 kDa</p> <p><b>SDS-PAGE:</b> 39-45 kDa, reducing (R) conditions</p> <p><b>Formulation:</b> 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> 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> 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>Angiogenin (ANG), an angiogenic ribonuclease, is a member of the vertebrate-specific, secreted RNASE superfamily. Angiogenin, originally identified as a tumor angiogenic factor, was related with the growth and metastasis of numerous tumors. Angiogenin has been proposed as a permissive factor for angiogenesis induced by other angiogenic factors, including vascular endothelial growth factor (VEGF), basic fibroblast growth factor, acidic fibroblast growth factor, and epidermal growth factor. Angiogenin production and secretion may be stimulated by hypoxia. Increased angiogenin serum levels have been associated with the incidence and severity of several human tumors, including HCC.</p>		
References	<ol style="list-style-type: none"><li>1. Miyake M. et al.(2015). Oncogene. 34(7):890-901.</li><li>2. Hartmann A. et al. (1999). Cancer Res. 59(7):1578-83.</li><li>3. Kishimoto K. et al. (2005). Oncogene. 13;24(3):445-56.</li><li>4. Bárcena C. et al.(2015). Sci Rep. 5:7916.</li></ol>		
Synonyms	ANG, Angiogenin, ANG 1, ANG I, ANG1		

## Selected Validation Data



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

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

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