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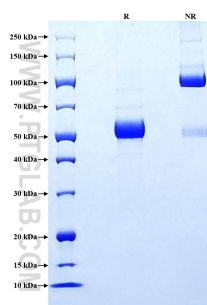
Recombinant Human Angiopoietin-1 protein (rFc Tag)



Catalog Number: Eg3426

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/ μg protein, LAL method Source: HEK293-derived Human Angiopoietin-1 protein Arg277-Phe498 (Accession# Q15389-1) with a rabbit IgG Fc tag at the N-terminus. GeneID: 284 Accession: Q15389-1 Predicted Molecular Mass: 52.8 kDa SDS-PAGE: 50-60 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	Angiopoietin 1 is a 70-kDa secreted glycoprotein generated from vascular mural cells, pericytes, and certain other cells. Angiopoietin 1 participates in vascular differentiation through angiogenesis, which is the process of the growth and remodelling of existing vessels. Angiopoietin 1 is also involved in the maintenance and turnover of blood vessels in mature animals. Angiopoietin1 binds to and activates the TEK/TIE2 receptor by inducing its dimerization and tyrosine phosphorylation, playing an important role in the regulation of angiogenesis. Overexpression of Angiopoietin1 has been proven to occur in malignant glioblastoma, neuroblastoma, non-small cell lung cancer and other tumors.		
References	1. Brooke N Horton. et al. (2010) J Histochem Cytochem.58(1):53-60. 2. C Suri. et al. (1996) Cell. 87(7):1171-80. 3. Linda J Metheny-Barlow. et al.(2003) Cell Res. 13(5):309-17. 4. Marie Jeansson. et al. (2011) J Clin Invest. 121(6):2278-89.		
Synonyms	ANGPT1, AGP1, AGPT, ANG 1, ANG1		

Selected Validation Data



Purity of Recombinant Human Angiopoietin-1 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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