

For Research Use Only

Recombinant Human Angiopoietin 4 protein (rFc Tag)



Catalog Number: Eg4718

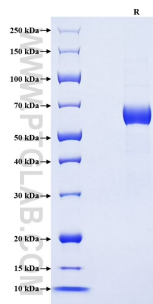
Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/µg protein, LAL method Source: HEK293-derived Human Angiopoietin 4 protein Met282-Ile503 (Accession# Q9Y264-1) with a rabbit IgG Fc tag at the N-terminus. GeneID: 51378 Accession: Q9Y264-1 Predicted Molecular Mass: 52.4 kDa SDS-PAGE: 55-70 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	As one of the factors regulating tumour angiogenesis, ANGPT4 (angiopoietin-4), which plays an important role in promoting tumour proliferation, survival, expansion and angiogenesis, is highly expressed in some tumours, such as lung adenocarcinoma, glioblastoma and ovarian cancer. In addition, other studies have shown that the expression of ANGPT4 in tumours may regulate the occurrence and development of tumours by affecting the PI3K-Akt signalling pathway, the Hedgehog signalling pathway.		
References	1. Wenchao Zhou. et al. (2024). Clin Exp Med. 24(1):224. 2. Alba Matas-Céspedes. et al. (2014). Clin Cancer Res. 20(13):3458-3471. 3. A Shaw. et al. (2009). Oncogene. 28(50):4480-4490.		
Synonyms	ANG3, ANG-3, ANG4, ANG-4, Angiopoietin-3		

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

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Selected Validation Data



Purity of Recombinant Human Angiopoietin 4 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.