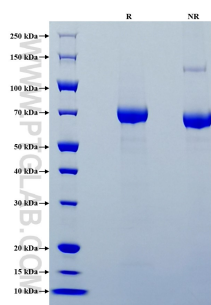


Recombinant Mouse Endoglin/CD105 protein (His Tag)

Catalog Number: Eg1292

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 Endoglin/CD105 protein Glu27-Lys580 (Accession# Q63961) with a His tag at the C-terminus.</p> <p>GeneID: 13805</p> <p>Accession: Q63961</p> <p>Predicted Molecular Mass: 60.9 kDa</p> <p>SDS-PAGE:</p> <p>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.</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>Endoglin (ENG, CD105) is a homodimeric cell membrane glycoprotein of 180 kDa, composed of disulphide-linked subunits of 90-95 kDa. Endoglin is a proliferation-associated and hypoxia-inducible protein mainly expressed on vascular endothelial cells. It acts as an accessory receptor for transforming growth factor beta (TGF-β) and is involved in vascular development and remodelling. The important role of Endoglin in angiogenesis and in tumor progression makes it an ideal target for antiangiogenic therapy and a good marker for tumor prognosis.</p>		
References	<ol style="list-style-type: none">1. Cheifetz, S et al. The Journal of biological chemistry vol. 267,27 (1992): 19027-30.2. Fonsatti, Ester et al. Oncogene vol. 22,42 (2003): 6557-63.3. Nassiri, Farshad et al. Anticancer research vol. 31,6 (2011): 2283-90.4. Duff, Sarah E et al. FASEB journal vol. 17,9 (2003): 984-92.		
Synonyms	CD105, Edg, endoglin, Eng, Sendoglin		

Selected Validation Data



Purity of Recombinant Mouse Endoglin/CD105 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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