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Datasheet for ABIN1692461

Endoglin Protein (ENG) (AA 26-176) (His tag, TRX tag)

Overview

Quantity:	50 µg
Target:	Endoglin (ENG)
Protein Characteristics:	AA 26-176
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Endoglin protein is labelled with His tag, TRX tag.

Product Details

Purpose:	Recombinant Human Endoglin/CD105 (N-Trx, 6His)
Sequence:	MSDKIIHLTD DSFDTDVLKA DGAILVDFWA EWCGPCKMIA PILDEIADEY QGKLTVAKLN IDQNP GTAPK YGIRGIPTLL LFKNGEVAAT KVGALSKGQL KEFLDANLAG SGSGHMHMHHH HHSSGLVPRG SGMKETAAAK FERQHMDSPD LGTDDDDKAM ETVHCDLQPV GPERDEVITYT TSQVSKGCVA QAPNAILEVH VLFLEFPTGP SQLELTQAS KQNGTWPREV LLVLSVNSSV FLHLQALGIP LHLAYNSSLV TFQEPPGVNT TELPSFPKTQ ILEWAAERGP ITSAAELNDP QSILLRLGQA Q
Characteristics:	Recombinant Human Endoglin/CD105 is produced with our E. coli expression system. The target protein is expressed with sequence (Glu26-Gln176) of Human endoglin fused with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered

Product Details

Endotoxin Level: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test

Target Details

Target: Endoglin (ENG)

Alternative Name: Endoglin ([ENG Products](#))

Sub Type: Fusionprotein

Background: Endoglin is a single-pass type I membrane protein which restricted to endothelial cells in all tissues except bone marrow. Endoglin as major glycoprotein of vascular endothelium, it has been found on endothelial cells, activated macrophages, fibroblasts, and smooth muscle cells. Furthermore, Homodimer forms a heteromeric complex with the signaling receptors for transforming growth factor-beta: TGFBR1 and/or TGFBR2. It may have an important role in the binding of endothelial cells to integrins and/or other RGD receptors. Defects in ENG are the cause of hereditary hemorrhagic telangiectasia type 1 (HHT1), which is an autosomal dominant multisystemic vascular dysplasia, characterized by recurrent epistaxis, muco-cutaneous telangiectases, gastro-intestinal hemorrhage, and pulmonary (PAVM), cerebral (CAVM) and hepatic arteriovenous malformations.

Alternative Names: Endoglin, END, CD105, ENG

Molecular Weight: 33.6 kDa

UniProt: [P17813](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Reconstitution: It is not recommended to reconstitute to a concentration less than 100 μg/mL.
Dissolve the lyophilized protein in ddH2O.
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Buffer: Supplied as a 0.2 μm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.

Handling Advice: Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Storage: -80 °C

Handling

Storage Comment:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
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Expiry Date:	6 months
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