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Datasheet for ABIN7318427

Endoglin Protein (ENG) (TRX tag,His tag)

Overview

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

Product Details

Purpose:	Recombinant Human Endoglin/CD105 Protein (His&Trx Tag)
Sequence:	Glu26-Gln176
Characteristics:	Recombinant Human Endoglin is produced by our E.coli expression system and the target gene encoding Glu26-Gln176 is expressed with a Trx, 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Endoglin (ENG)
Alternative Name:	Endoglin/CD105 (ENG Products)
Background:	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

Target Details

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.

Synonym: Endoglin, END, CD105, ENG,HHT1,ORW1

Molecular Weight: 33.6 kDa

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

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

Storage: -20 °C

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