Recombinant Human Endoglin/CD105 Protein (His&Trx Tag)

Catalog Number:PKSH032379

Note: Centrifuge before opening to ensure complete recovery of vial contents.

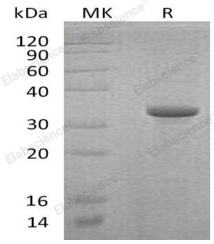
Description

Synonyms	Endoglin;END;CD105;ENG;HHT1;ORW1
Species	Human
Expression Host	E.coli
Sequence	Glu26-Gln176(Gly40Asp)
Accession	P17813
Calculated Molecular Weight	33.6 kDa
Observed molecular weight	34 kDa
Tag	N-Trx-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

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.

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