

32-8258: Recombinant Human Endoglin/CD105 (N-Trx, 6His)

Gene : ENG
Gene ID : 2022
Uniprot ID : P17813

Description

Source: E. coli.
MW :33.6kD.

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. 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.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MSDKIIHLTDDSFDTDVLKADGAILVDFWAEWCGPCKMIAPILDEIADEYQGKLTVAKLNIDQNPGTAPKYGIRGI
PTLLLFKNGEVAATKVGALSKGQLKEFLDANLAGSGSGMHMHHHHHSSGLVPRGSGMKETAAAKFERQHMD
SPDLGTDDDDKAMETVHCDLQVGPDERDEVYTTTSQVSKGCVAQAPNAILEVHVLFLEFPTGPSQLELTLQAS
KQNGTWPREVLLVLSVNSSVFLHLQALGIPLHLAYNSSLVTFQEPPGVNTELPSPFKTQILEWAAERGPITSAAE
LNDPQSILLRLGQAQ

Application Note

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