

Recombinant Human ENG Protein, Trx-6His-tagged

Cat. No. ENG-783H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ENG, transcript variant 2, fused with Trx-6His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene encodes a homodimeric transmembrane protein which is a major glycoprotein of the vascular endothelium. This protein is a component of the transforming growth factor beta receptor complex and it binds to the beta1 and beta3 peptides with high affinity. Mutations in this gene cause hereditary hemorrhagic telangiectasia, also known as Osler-Rendu-Weber syndrome 1, an autosomal dominant multisystemic vascular dysplasia. This gene may also be involved in preeclampsia and several types of cancer. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Form	Lyophilized from a 0.2 M filtered solution of 20mM PB, 150mM NaCl, pH7.4
Molecular Mass	33.6kD
AA Sequence	MSDKIIHLTDDSFDTDVLKADGAILVDFWAEWCGPCKMIAPILDEIADEYQGKLTVAK LNIDQNPGTAPKYGIRGIPTLLLFKNGEVAATKVGALSKGQLKEFLDANLAGSGSGH MHHHHHHSSGLVPRGSGMKETAATAAKFERQHMDSPDLGTDDDDKAMETVHCDLQP VGPERDEVITYTTSQVSKGCVAQAPNAILEVHVLFLFPTGPSQLELTLQASKQNGT WPREVLLVLSVNSSVFLHLQALGIPLHLAY

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Endotoxin	Endotoxin level is <0.1 ng/g of protein (<1EU/g).
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining
Concentration	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 g/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
GENE INFORMATION	
Gene Name	ENG endoglin [Homo sapiens]
Official Symbol	ENG
Synonyms	ENG; endoglin; ORW, ORW1, Osler Rendu Weber syndrome 1; CD105; END; HHT1; CD105 antigen; ORW; ORW1; FLJ41744;
Gene ID	2022
mRNA Refseq	NM_000118
Protein Refseq	NP_000109
MIM	131195
UniProt ID	P17813