

Recombinant Human ENG Protein, C-His-tagged

Cat. No. ENG-027H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ENG Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	CD105/Endoglin is an auxiliary receptor for the TGF- β receptor complex, functioning in related signaling pathways. CD105/Endoglin is a transmembrane protein that exists as a disulfide-linked homodimer. It is mainly expressed in vascular and connective tissues and in endothelial and stromal cells. Upregulated CD105/endoglin expression has been reported during wound healing and tumor vascularization, and in inflammatory tissues and developing embryos. Mutations in CD105/endoglin have been found to be a causal factor of hereditary hemorrhagic telangiectasia (HHT), a disease characterized by malformation of vascular structure. The importance of this protein for normal and tumor vascular function makes it a good marker for endothelial cell proliferation as well as a potential therapeutic target in cancer.
Molecular Mass	~62 kDa
AA Sequence	ETVHCDLQPVGPERGEVTTYTTSQVSKGCVAQAPNAILEVHVLFLFPTGPSQLELTL QASKQNGTWPREVLLVLSVNSSVFLHLQALGIPLHLAYNSSLVTFQEPPGVNTELP SFPKTQILEWAAERGPITSAAELNDPQSILLRLGQAQGSLSFCMLEASQDMGRTLEW RPRTPALVRGCHLEGVAGHKEAHILRVLPGHSAGPRTVTVKVELSCAPGDLDVLLIL QGPPYVSWLIDANHNMQIWTGGEYSFKIFPEKNIRGFKLPDTPQGLLGEARMNLNASI

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VASFVELPLASIVSLHASSCGGRLQTSPAPIQTTPPKDTCSPELLMSLIQTKCADDAM
 TLVLKKELVAHLKCTITGLTFWDPSCEAEDRGDKFVLR SAYSSCGMQVSASMISNEA
 VVNILSSSSPQRKKVHCLNMDSLFSQLGLYLSPHFLQASNTIEPGQQSFVQVRVSPS
 VSEFLLQLDSCHLDLGPEGGTVELIQGRAAKGNCVSLSPSPEGDPFRFSLLHFYTV
 PIPKTGTLSTVALRPKTGSQDQEVHRTVFMRLNIISPDLSGCTSKG

Purity

Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

Notes

For research use only, not for use in diagnostic procedure.

Storage

Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.

Concentration

≥0.5 mg/mL

Storage Buffer

PBS, 4M Urea, pH7.4

GENE INFORMATION

Gene Name

ENG endoglin [Homo sapiens (human)]

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

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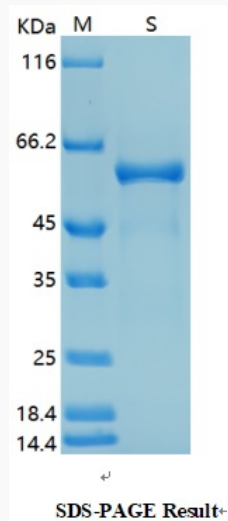
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Protein Refseq NP_000109

MIM 131195

UniProt ID P17813

SDS-PAGE



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