

Recombinant Full Length Human ENG Protein, GST-tagged

Cat. No. ENG-4297HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ENG full-length ORF (AAH14271, 1 a.a. - 658 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	658 amino acids
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. [provided by RefSeq, May 2013]
Molecular Mass	98.12 kDa
AA Sequence	MDRGTLPLAVALLASCSLSPTSLAETVHCDLQPVGPERDEVITYTTSQVSKGCVAQ APNAILEVHVLFLEFPTGPSQLELTLQASKQNGTWPREVLLVLSVNSSVFLHLQALGI PLHLAYNSSLVTFQEPPGVNTTELPSPFKTQILEWAAERGPITSAAELNDPQSILLRL GQAQGSLSFCMLEASQDMGRTLEWRPRTPALVRGCHLEGVAGHKEAHILRVLPGH

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SAGPRTVTVKVELSCAPGDLDVLLILQGPPYVSWLIDANHNMQIWTTGEYSFKIFPE
 KNIRGFKLPDTPQGLLGEARMLNASIVASFVELPLASIVSLHASSCGGRLQTSPAPIQ
 TTPPKDTCSPELLMSLIQTKCADDAMTLVLKKELVAHLKCTITGLTFWDPSCEAEDR
 GDKFVLRSAISSCGMQVSASMISNEAVVNILSSSSPQRKKVHCLNMDLSLQGLGLY
 LSPHFLQASNTIEPGQQSFVQVRVSPSVSEFLLQLDSCHLDLGPEGGTVELIQGRAA
 KGNCVSLSPSPEGDPFRFSFLLHFYTVPIPKTGTLSCTVALRPKTGSQDQEVHRTVF
 MRLNIISPDLSGCTSKGLVLPVAVLGITFGAFLIGALLTAALWYIYSHTRSPSKREPVVA
 VAAPASSESSSTNHSIGSTQSTPCSTSSMA

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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mRNA Refseq	NM_000118
Protein Refseq	NP_000109
MIM	131195
UniProt ID	P17813

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