

Recombinant Human ENG Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ENG-5969H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ENG MS Standard C13 and N15-labeled recombinant protein (NP_000109) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	67.78 kDa
AA Sequence	MDRGTLPPLAVALLASCSLSPTSLAETVHCDLQPVGPERGEVTTYTTSQVSKGCVAQ APNAILEVHVLFLFPTGPSQLELTQASKQNGTWPREVLLVLSVNSSVFLHLQALGI PLHLAYNSSLVTFQEPPGVNTTELPSFPKTQILEWAAERGPITSAAELNDPQSILLRL GQAQGSLSFCMLEASQDMGRTLEWRPRTPALVRGCHLEGVAGHKEAHILRVLPGH SAGPRTVTVKVELSCAPGDLDVAVLILQGPPYVSWLIDANHNMQIWTTGEYSFKIFPE

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KNIRGFKLPDTPQGLLGEARMLNASIVASFVELPLASIVSLHASSCGGRLQTSPAPIQ
 TTPPKDTCSPELLMSLIQTKCADDAMTLVLKKELVAHLKCTITGLTFWDPSCEAEDR
 GDKFVLRSAISSCGMQVSASMISNEAVVNILSSSSPQRKKVHCLNMDLSLQGLY
 LSPHFLQASNTIEPGQQSFVQVRVSPSVSEFLLQLDSCHLDLGPEGGTVELIQGRAA
 KGNCVSLSPSPEGDPFRFSFLLHFYTVPIPKTGTLSCTVALRPKTGSQDQEVHRTVF
 MRLNIISPDLSGCTSKGLVLPVAVLGITFGAFLIGALLTAALWYIYSHTREYPRPPQSGP
 SGPTRTRRLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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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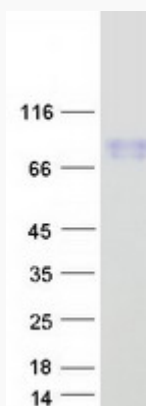
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Protein Refseq NP_000109

MIM 131195

UniProt ID P17813

SDS-PAGE



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