

Recombinant Human ENG

Cat. No. ENG-26364TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 1-586 of Human CD105, expressed in Insect cells.
Species	Human
ProteinLength	1-586 a.a.
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 TGFB1 and TGFB3 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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Tissue specificity	Endoglin is restricted to endothelial cells in all tissues except bone marrow.
Form	Lyophilised: The carrier-free protein should be used immediately upon reconstitution to avoid losses in activity due to non-specific binding to the inside surface of the vial. For long term storage as a dilute solution, a carrier protein (e.g. 0.1% HSA or
Purity	>95% by SDS-PAGE
Storage buffer	None

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Storage Please see Notes section

GENE INFORMATION

Gene Name [ENG endoglin \[Homo sapiens \]](#)

Official Symbol [ENG](#)

Synonyms ENG; endoglin; ORW, ORW1, Osler Rendu Weber syndrome 1; CD105; END; HHT1;

Gene ID [2022](#)

mRNA Refseq [NM_000118](#)

Protein Refseq [NP_000109](#)

MIM [131195](#)

Uniprot ID [P17813](#)

Chromosome Location 9q33-q34.1

Pathway HIF-1-alpha transcription factor network, organism-specific biosystem; TGF Beta Signaling Pathway, organism-specific biosystem; TGF-beta Receptor Signaling Pathway, organism-specific biosystem;

Function activin binding; galactose binding; glycosaminoglycan binding; glycosaminoglycan binding; protein binding;

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