

## Active Recombinant Human ENG protein, hFc-tagged

Cat. No. ENG-63H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active Recombinant Human ENG protein(Met 1-Gly 586)(NP_001108225.1) precursor was expressed in HEK293 with C-terminal fused human IgG1 Fc region.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-586 aa
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4.
<b>Bio-activity</b>	1. Measured by its ability to bind biotinylated Human TGFBR1 in a functional ELISA. 2. Measured by its ability to bind biotinylated Human ALK1-Fc in functional Elisa.
<b>Molecular Mass</b>	The recombinant human CD105/Fc chimera is a disulfide-linked homodimeric protein. The reduced monomer consists of 799 amino acids and has a predicted molecular mass of 87.5 kDa. As a result of glycosylation, rhCD105/Fc monomer migrates as an approximately 115-120 kDa protein in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Storage</b>	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-

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thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

<b>Gene Name</b>	ENG endoglin [ Homo sapiens ]
<b>Official Symbol</b>	ENG
<b>Synonyms</b>	ENG; endoglin; ORW, ORW1, Osler Rendu Weber syndrome 1; CD105; END; HHT1; CD105 antigen; ORW; ORW1; FLJ41744;
<b>Gene ID</b>	2022
<b>mRNA Refseq</b>	NM_000118
<b>Protein Refseq</b>	NP_000109
<b>MIM</b>	131195
<b>UniProt ID</b>	P17813

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