# Recombinant Human ENG, GST-tagged

**Cat. No.** ENG-12449H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human ENG protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | C-term-49a.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. |
| **Storage** | The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles. |
| **Storage Buffer** | 1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100,15%glycerol. |

## GENE INFORMATION

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| **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 |
| **mRNA Refseq** | NM_000118 |
| **Protein Refseq** | NP_000109 |
| **MIM** | 131195 |
| **UniProt ID** | P17813 |
| **Chromosome Location** | 9q34.11 |
| **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; contributes_to protein binding; protein homodimerization activity; protein homodimerization activity; transforming growth factor beta binding; trans |

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