

Product datasheet for **TP721000M**

CD105 (ENG) (NM_000118) Human Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Human endoglin (ENG), transcript variant 2 |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | Glu26-Gln176 |
| Tag: | N-Trx&His |
| Predicted MW: | 33.6 kDa |
| Concentration: | lot specific |
| Purity: | >95% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl |
| Endotoxin: | Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg) |
| Storage: | Store at -80°C. |
| Stability: | Stable for at least 6 months from date of receipt under proper storage and handling conditions. |
| RefSeq: | NP_000109 |
| Locus ID: | 2022 |
| UniProt ID: | P17813 , Q5T9B9 |
| RefSeq Size: | 3142 |
| Cytogenetics: | 9q34.11 |
| RefSeq ORF: | 1884 |
| Synonyms: | END; HHT1; ORW1 |



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Summary:

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]

Protein Families:

Druggable Genome, ES Cell Differentiation/IPS, Transmembrane