

## Product datasheet for **TP321699**

### CD105 (ENG) (NM\_000118) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human endoglin (ENG), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC221699 representing NM_000118 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MDRGTLPLAVALLLASCSSLPTSLSAETVHCDLQPVGPERGEVITYTTSQVSKGCVAQAPNAILEVHVLFLF  
FPTGPSQLELTLQASKQNGTWPREVLLVLSVNSSVFLHLQALGIPLHLAYNSSLVTFQEPGVTTELPS  
FPKTQILEWAAERGPITSAELNDPQSILLRLGQAQGSLSFCMLEASQDMGRTLEWRPRTPALVRGCHLE  
GVAGHKEAHILRVLPGHSAGPRTVTVKVELSCAPGDLDAVLILQPPYVSWLIDANHNMQIWTTGEYSFK  
IFPEKNIRGFKLPDTPQGLLGEARMLNASIVASFVELPLASIVSLHASSCGGRLQTSPIPIQTTPPKDTC  
SPELLMSLIQTKCADDAMTLVLLKELVAHLKCTITGLTFWDPSCAEADRGDKFVLRSAVSSCGMQVSASM  
ISNEAVVNILSSSSPQRKKVHCLNMDLSLFLGLYLSPHFLQASNTIEPGQQSFVQVRVSPSVSEFLQL  
DSCHLDLGPPEGTVELIQGRAAKGNCVLSLSPSPEGDPFRSFLHFYTVPIPKTGTLCTVALRPKTGSGQ  
DQEVHRTVFMRLNIISPDLGCTSKGLVLPVAVLGITFGAFLIGALLTAALWYIYSTREYPRPPQSGP

**SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	65 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



[View online »](#)

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_000109](#)

**Locus ID:** 2022

**UniProt ID:** [P17813](#), [Q5T9B9](#)

**RefSeq Size:** 3142

**Cytogenetics:** 9q34.11

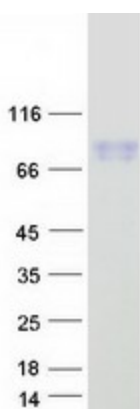
**RefSeq ORF:** 1884

**Synonyms:** END; HHT1; ORW1

**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

### Product images:



Coomassie blue staining of purified ENG protein (Cat# TP321699). The protein was produced from HEK293T cells transfected with ENG cDNA clone (Cat# [RC221699]) using MegaTran 2.0 (Cat# [TT210002]).