

Bioactive

ENG (Human) Recombinant Protein

Catalog # P8560

Size 2 x 10 ug

Specification

Product Description	Human ENG (P17813) recombinant protein with His-tag at C-terminal expressed in <i>Baculovirus</i> .
Sequence	MDRGTLPALVALLASCSLSPTSLAETVHCDLQPVGPERGEVITYTTSQVSKGCVAQAPNAILEVH VLFLEFPTGPSQLELTQASKQNGTWPREVLLVLSVNSSVFLHLQALGIPLHLAYNSSLVTFQEPP GVNTELP SFPKTQILEWAAERGPITSAAE LNDPQSILLRLGQAQGSLSFCMLEASQDMGRTLEW RPRTPALVRGCHLEGVAGHKEAHILRVLPGHSAGPRTVTVKVELSCAPGDLDVILQGGPPYVSW LIDANHNMQIWTGGEYSFKIFPEKNIRGFKLPDTPQG LLGEARMLNASIVASFVELPLASVSLHASS CGGRLQTSPAPIQTTPPKDTCSPELLMSLIQTKCADDAMTLVLKKELVAHLKCTITGLTFWDPSCE AEDRGDKFVLR SAYSSCGMQVSASMISNEAVVNILSSSSPQRKKVHCLNMDLSLQGLYLSPH FLQASNTIEPGQQSFVQVRVSPSVSEFLLQLDSCHLDLGPEGGTVELIQGRAAKGNCVSLSPSP EGDPRFSFLLHFYTVPIPKTGTLSCTVALRPKTGS.
Host	Nicotiana benthamiana
Theoretical MW (kDa)	61
Form	Lyophilized
Preparation Method	<i>Baculovirus</i> expression system
Purity	> 95% by SDS-PAGE
Activity	Measured by the ability to bind with rhTGF-beta RII/Fc in a functional ELISA. Optimal dilutions should be determined by each laboratory for each application.
Storage Buffer	Lyophilized from PBS.
Storage Instruction	Store at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles.

Applications

- Functional Study
- SDS-PAGE

Gene Info — ENG

Entrez GeneID [2022](#)

Protein Accession# [P17813](#)

Gene Name ENG

Gene Alias CD105, END, FLJ41744, HHT1, ORW, ORW1

Gene Description endoglin

Omim ID [131195](#) [187300](#)

Gene Ontology [Hyperlink](#)

Gene 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 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. [provided by RefSeq]

Other Designations CD105 antigen|OTTHUMP00000022221|Osler-Rendu-Weber syndrome 1

Disease

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- [Arteriovenous Malformations](#)
- [Cardiovascular Diseases](#)
- [Central Nervous System Vascular Malformations](#)
- [Chromosome Aberrations](#)
- [Diabetes Mellitus](#)
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- [Genetic Predisposition to Disease](#)
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- [Hypertension](#)
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- [Telangiectasia](#)
- [Urinary Bladder Neoplasms](#)
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