ENG (Human) Recombinant Protein

Catalog # P8562 Size 2 x 10 ug

Specification

Product Description	Human ENG (P17813, 26 a.a. - 586 a.a.) partial-length recombinant protein with N-terminal His-tag expressed in *Escherichia coli*.
Sequence	MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSETVHCDLQPVGPERDEVTYTTSQVS KGCVAQAPNAILEVHVLFLEFPTGPSQLELTLQASKQNGTWPREVLLVLSVNSSVFLHLQALGIPL HLAYNSSLVTFQEPPGVNTTELPSFPKTQILEWAAERGPITSAAELNDPQSILLRLGQAQGSLSFC MLEASQDMGRTLEWRPRTPALVRGCHLEGVAGHKEAHILRVLPGHSAGPRTVTVKVELSCAPG DLDAVLILQGPPYVSWLIDANHNMQIWTTGEYSFKIFPEKNIRGFKLPDTPQGLLGEARMLNASIVA SFVELPLASIVSLHASSCGGRLQTSPAPIQTTPPKDTCSPELLMSLIQTKCADDAMTLVLKKELVA HLKCTITGLTFWDPSCEAEDRGDKFVLRSAYSSCGMQVSASMISNEAVVNILSSSSPQRKKVHCL NMDSLSFQLGLYLSPHFLQASNTIEPGQQSFVQVRVSPSVSEFLLQLDSCHLDLGPEGGTVELIQ GRAAKGNCVSLLSPSPEGDPRFSFLLHFYTVPIPKTGTLSCTVALRPKTGSQDQEVHRTVFMRLNI ISPDLSGCTSKG.
Host	Escherichia coli
Theoretical MW (kDa)	64.90000000000001
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purity	> 85% by SDS-PAGE
Storage Buffer	The Endoglin solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 150mM NaCl and 10% glycerol.
Storage Instruction	Store at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles.

Applications

- SDS-PAGE

Gene Info — ENG

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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 va scular endothelium. This protein is a component of the transforming growth factor beta receptor c omplex 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 domin ant multisystemic vascular dysplasia. Alternatively spliced transcript variants encoding different is oforms have been found for this gene. [provided by RefSeq
Other Designations	CD105 antigen|OTTHUMP00000022221|Osler-Rendu-Weber syndrome 1

Disease

- Aneurysm
- Arteriovenous Malformations
- Cardiovascular Diseases
- Central Nervous System Vascular Malformations
- Chromosome Aberrations
- Diabetes Mellitus
- Edema
- Epistaxis
- Genetic Predisposition to Disease
- Heart Defects
- Hypertension
- Intracranial Aneurysm

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- Intracranial Arteriovenous Malformations
- Kidney Failure
- Liver Cirrhosis
- Liver Diseases
- Lung Neoplasms
- Pre-Eclampsia
- Pulmonary Disease
- Scleroderma
- Stroke
- Subarachnoid Hemorrhage
- Telangiectasia
- Urinary Bladder Neoplasms
- Werner syndrome

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