

Product datasheet for TP509782

Eng (NM_001146348) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse endoglin (Eng), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209782 protein sequence Red=Cloning site Green=Tags(s)

MDRGVLPITLLFVIYSFVPTTGLAERVGCDLQVPDPTRGEVTFSTTSQVSEGCVAQAANAVREVHVLFL
DFPGMLSHLELTQASKQNGTETQEVFLVLSNKNVFKQAPFIPLHLAYDSSLVIFQGQPRVNITVLP
SLTSRKQILDWAATKGAITSIAALDDPQSIVLQLGQDPKAPFLCLPEAHKDMGATLEWQPRAQTPVQSCR
LEGVSGHKEAYILRILPGSEAGPRTVTVMELSCSGDAILLHGPPYVSWFIDINHSMQILTTEGEYSVK
IFPGSKVKGVELPDTQPGLIAEARKLNASIVTSFVELPLVSNVSLRASSCGGVFQTTAPVVTTPPKDTC
SPVLLMSLIQPKCGNQVMTLALNKKHVQTLQCTITGLTFWDSSCAEDTDDHLVLSAYSSCGMKVTAHV
VSNEVIISFSGSPPLRKKVQCIDMDSLFSQLGLYLSPHFLQASNTIELGQQAFVQVSVSPLTSEVTVQL
DSCHLDLGPEDMVLIQSRITAKGSCVTLLSPSPEGDPFRFSLLRVYVMVPTTAGTLSCNLALRPSTLSQ
EYKTVSMRLNIVSPDLGKGLVLPVGLITFGAFLIGALLTAALWYIYSHTRGPSKREPVVAVAPASS
ESSSTNHSIGSTQSTPCSTSSMA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	70 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
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 after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



[View online »](#)

RefSeq:	<u>NP_001139820</u>
Locus ID:	13805
UniProt ID:	<u>Q3UAM9</u>
RefSeq Size:	3430
Cytogenetics:	2 22.09 cM
RefSeq ORF:	1962
Synonyms:	AI528660; AI662476; CD105; Endo; S-endoglin
Summary:	Vascular endothelium glycoprotein that plays an important role in the regulation of angiogenesis (PubMed:10625534). Required for normal structure and integrity of adult vasculature (By similarity). Regulates the migration of vascular endothelial cells (PubMed:17540773). Required for normal extraembryonic angiogenesis and for embryonic heart development (PubMed:10625534). May regulate endothelial cell shape changes in response to blood flow, which drive vascular remodeling and establishment of normal vascular morphology during angiogenesis (PubMed:28530658). May play a role in the binding of endothelial cells to integrins. Acts as TGF-beta coreceptor and is involved in the TGF-beta/BMP signaling cascade that ultimately leads to the activation of SMAD transcription factors (PubMed:23300529). Required for GDF2/BMP9 signaling through SMAD1 in endothelial cells and modulates TGFB1 signaling through SMAD3 (By similarity).[UniProtKB/Swiss-Prot Function]