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Product datasheet for DA3522X

CD105 / Endoglin Mouse Protein

Product data:

Product Type:	Recombinant Proteins
Description:	CD105 / Endoglin mouse recombinant protein, 25 µg
Species:	Mouse
Expression Host:	Insect
Expression cDNA Clone or AA Sequence:	ERVGCDLQPV DPTRGEVTFT TSQVSEGCVA QAANAVREVH VLFLDFPGML SHLELTLQAS KQNGTETQEV FLVLVSNKNV FVKFQAPEIP LHLAYDSSLV IFQGQPRVNI TVLPSLTSRK QILDWAATKG AITSIAALDD PQSIVLQLGQ DPKAPFLCLP EAHKDMGATL EWQPRAQTPV QSCRLEGVSG HKEAYILRIL PGSEAGPRTV TVMMELSCTS GDAILILHGP PYVSWFIDIN HSMQILTTGE YSVKIFPGSK VKGVELPDTP QGLIAEARKL NASIVTSFVE LPLVSNVSLR ASSCGGVFQT TPAPVVTTPP KDTCSPVLLM SLIQPKCGNQ VMTLALNKKH VQTLQCTITG LTFWDSSCQA EDTDDHLVLS SAYSSCGMKV TAHVVSNEVI ISFPSGSPPL RKKVQCIDMD SLSFQLGLYL SPHFLQASNT IELGQQAFVQ VSVSPLTSEV TVQLDSCHLD LGPEGDMVEL IQSRTAKGSC VTLLSPSPEG DPRFSFLLRV YMVPTPTAGT LSCNLALRPS TLSQEVYKTV SMRLNIVSPD LSHHHHHH
Predicted MW:	70-75 kDa
Purity:	>90% by SDS-PAGE and visualized by Silver stain
Buffer:	Presentation State: Purified State: Lyophilized protein Buffer System: PBS Stabilizer: None
Endotoxin:	< 0.1 ng per µg of sCD105.
Reconstitution Method:	The lyophilized sCD105 is soluble in water and most aqueous buffers. Restore in PBS or medium to a concentration not lower than 50 µg/ml.
Preparation:	Lyophilized protein
Protein Description:	Recombinant Mouse Soluble CD105/Endoglin.
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.

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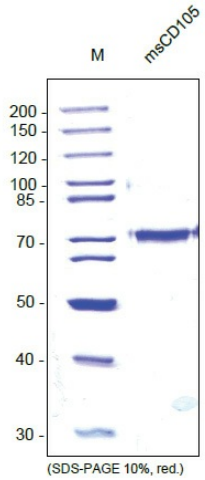
RefSeq:	NP_001139820
Locus ID:	13805
UniProt ID:	Q3UAM9
Cytogenetics:	2 22.09 cM
Synonyms:	AI528660; AI662476; CD105; Endo; S-endoglin
Summary:	Vascular endothelium glycoprotein that plays an important role in the regulation of angiogenesis (PubMed:10625534). Required for normal structure and integrity 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]

Product images:



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