

Recombinant Mouse Eng Protein, Tag Free

Product Information

Cat	IMP-6789
Official Symbol	ENG
Product Overview	Recombinant mouse CD105/Endoglin protein without tag was produced in insect cells.
Description	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]
Expression System	Insect cells
Species	Mouse
Tag	Tag free
Form	Presentation State: Purified State: Lyophilized protein Buffer System: PBS Stabilizer: None
Molecular Mass	70-75 kDa
AA Sequence	<p> ERVGCDLQPVDPTRGEVTFFTTSQVSEGCVAQAANAVREVHVLFLDFPGM LSHLELTLQASKQNGTETQEVLVLSNKNVFKVQAPEIPLHLAYDSSLVI FQGQPRVNITVLPSTSRKQILDWAATKGAITSIAALDDPQSIVLQLGQDPK APFLCLPEAHKDMGATLEWQPRAQTPVQSCRLEGVSGHKEAYILRILPGS EAGPRTVTVMELSGDAILILHGPPYVSWFIDINHSMQILTTGEYSVKI FPGSKVKGVELPDTPQGLIAEARKLNASIVTSFVELPLVSNVSLRASSCGG VFQTPAPVVTTPPKDTCSPVLLMSLIQPKCGNQVMTLALNKKHVQTLQC TITGLTFWDSSCAEDTDDHLVLSSAYSSCGMKVTAHVVSNEVIISFPSG SPPLRKKVQCIDMDSLQGLYLSPHFLQASNTIELGQQAFVQVSVSPLT SEVTVQLDSCHLDLGPEDMVELIQSRTAKGSCVTLLSPSPEGDPRFSFL LRVYMVPTPTAGTLSCNLALRPSTLSQEVYKTVSMRLNIVSPDLSHHHHH H </p>
Endotoxin	< 0.1 ng/μg

Purity

> 90% by SDS-PAGE and visualized by Silver stain.

Storage

Store lyophilized at 2-8 centigrade for 6 months or at -20 centigrade long term. After reconstitution store the antibody undiluted at 2-8 centigrade for one month or (in aliquots) at -20 centigrade long term. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

SDS-PAGE