

Eng, 27-581aa, Mouse, His tag, Baculovirus

Cat.NO.: TP02016

3th Edition

Synonyms:Endoglin, Eng, AI528660, AI662476, CD105, Endo, S-endoglin

Description:Eng, also known as endoglin, is a type I homodimeric transmembrane glycoprotein with a large, disulfide-linked, extracellular region and a short, constitutively phosphorylated cytoplasmic tail. It is highly expressed on vascular endothelial cells, chondrocytes, and syncytiotrophoblasts of term placenta. It is also found on activated monocytes, mesenchymal stem cells and leukemic cells of lymphoid and myeloid lineages. Recombinant mouse Eng, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:60.9kDa (563aa); 50-70kDa (SDS-PAGE under reducing conditions);

Sequences:

ERVGCDLQVPDPTRGEVTFTTTSQVSEGCVAQAANAVREVHVLFLDFPGMLSHLELTLQASKQNGTETQEVLVLV
SNKNVFKFQAPEIPLHLAYDSSLVIFQGQPRVNITVLPSTSRKQILDWAATKGAITSIAALDDPQSIVLQLGQDPKA
PFLCLPEAHKDMGATLEWQPRAQTPVQSCRLEGVSGHKEAYILRILPGSEAGPRTVTVMELSCSTSGDAILILHGPP
YVSWFIDINHSMQILTTGEYSVKIFPGSKVKGVELPDTPQGLIAEARKLNASIVTSFVELPLVSNVSLRASSCGGVFQT
TPAPVVTPPKDTCSPVLLMSLIQPKCGNQVMTLALNKKHVQTLQCTITGLTFWDSSCAEDTDDHLVLSSAYSSC
GMKVTAHVVSNEVIISFPGSPPLRKKVQCIDMDSLQGLGLYLSPHFLQASNTIELGQQAFVQVSVSPLTSEVTVQL
DSCHLDLGPEDMVELIQSRTAKGSCVTLLSPSPEGDPRFSFLLRVYMVPTPTAGTLSCNLALRPSTLSQEVYKTV
SMRLNIVSPDLSGKGLEHHHHHH

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.