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32-6337: Endoglin (27-581) Mouse

Alternative Name : Endoglin, Cell surface MJ7/18 antigen, CD105, Eng, Edg.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
Endoglin is a type I membrane glycoprotein located on cell surfaces and is part of the TGF beta receptor complex.The Endoglin protein consists of a homodimer of 180 kDA with disulfide links. Endoglin has been found on endothelial cells, activated macrophages, fibroblasts, and smooth muscle cells. Furthermore, Endoglin has been found to be part of the TGF-beta1 receptor complex. Endoglin thus may be involved in the binding of TGF-beta1, TGF-beta3, activin-A, BMP-2, and BMP-7. Beside TGF-beta signaling endoglin may have other functions. It has been postulated that endoglin is involved in the cytoskeletal organization affecting cell morphology and migration. Endoglin has a role in the development of the cardiovascular system and in vascular remodeling. Endoglin expression is regulated during heart development . Experimental mice without the endoglin gene die due to cardiovascular abnormalities.
Endoglin Mouse Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 563 amino acids (27-581 a.a.) and having a molecular mass of 60.9kDa (Migrates at 50-70kDa on SDS-PAGE under reducing conditions).Endoglin is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	1 µg / 5 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	Endoglin protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid :	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 LSGKGLEHHH HHH