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32-1146: Endoglin His Recombinant Protein

Alternative Name : CD105,ENG,END,ORW,HHT1,ORW1,FLJ41744,Endoglin.

Description

Source : Escherichia Coli. Endoglin Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 594 amino acids (26-586) and having a molecular mass of 64.9 kDa. Endoglin is fused to a 36 amino acid His-tag at N-terminus. 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.

Product Info

Amount :	10 µg
Purification :	Greater than 85% as determined by SDS-PAGE.
Content :	The Endoglin solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 150mM NaCl 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 :	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSETVH CDLQPVGPER DEVTYTTSQV SKGCVAQAPN AILEVHVLFL EFPTGPSQLE LTLQASKQNG TWPREVLLVL SVNSSVFLHL QALGIPLHLA YNSSLVTFQE PPGVNTTELP SFPKTQILEW AAERGPITSA AELNDPQSIL LRLGQAQGSL SFCMLEASQD MGRTLEWRPR TPALVRGCHL EGVAGHKEAH ILRVLPGHSA GPRTVTVKVE LSCAPGDLDA VLILQGPPYV SWLIDANHNM QIWTTGEYSF KIFPEKNIRG FKLPDTPQGL LGEARMLNAS IVASFVELPL ASIVSLHASS CGGRLQTSPA PIQTTPPKDT CSPELLMSLI QTKCADDAMT LVLKKELVAH LKCTITGLTF WDPSCEAEDR GDKFVLRSAY SSCGMQVSAS MISNEAVVNI LSSSSPQRKK VHCLNMDSLS FQLGLYLSPH FLQASNTIEP GQQSFVQVRV SPSVSEFLLQ LDSCHLDLGP EGGTVELIQG RAAKGNCVSL LSPSPEGDPR FSFLLHFYTV PIPKTGTLSC TVALRPKTGS QDQEVHRTVF MRLNIISPDL SGCTSKG