9051 Mira Mesa Blvd, #910094
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Endoglin Human, His

Endoglin Human Recombinant, His-Tag
CYK0141

Product Overview

Name	Endoglin Human, His
Description	
Endoglin Human Recombinant, His-Tag	
Accession (Primary)	P17813
Synonyms	
CD105, ENG, END, ORW, HHT1, ORW1, FLJ41744, Endoglin.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
The Endoglin solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 150mM NaCl and 10% glycerol.	
Stability	
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.	
Purity	
Greater than 85% as determined by SDS-PAGE.	
Amino acid sequence	

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MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGS ETVH 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

Precautions

Endoglin Human, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P17813)