9051 Mira Mesa Blvd, #910094
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Endoglin Human

Endoglin Human Recombinant
CYK0140

Product Overview

Name	Endoglin Human
Description	
Endoglin Human Recombinant	
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 colorless liquid formulation.	
Formulation	
Endoglin solution in 50mM Tris-Acetate, pH-7.5, 1mM EDTA and 20% 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 90.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Precautions	
Endoglin Human is for research use only and not for use in diagnostic or therapeutic procedures.	

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Target Information: (P17813)