
Product Data Sheet

Product Name: Endoglin Human
Cat. No.: GP20184
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CD105; ENG; END; ORW; HHT1; ORW1; FLJ41744; Endoglin.		
Formulation	Endoglin solution in 50mM Tris-Acetate, pH-7.5, 1mM EDTA and 20% Glycerol.		

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.

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.

Background

Endoglin Human Recombinant extracellular domain produced in E.Coli is a single, glycosylated, Polypeptide containing 151 amino acids (26-176) and having a molecular mass of 43 kDa. The Endoglin is purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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