11 Park Drive, Suite 12
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Human soluble Endoglin (CD105), recombinant protein

ORDERING INFORMATION

Catalog No: rAP-0291
Size: 2 µg; 5µg
Storage: <- 20° C

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 protein consists of a homodimer of 180 kDA with disulfide links. It has been found on endothelial cells, activated macrophages, fibroblasts, and smooth muscle cells. Endoglin has been found to be part of the TGF-beta1 receptor complex. It 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. Its expression is regulated during heart development . Experimental mice without the endoglin gene die due to cardiovascular abnormalities.

Description:
CD105 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 CD-105 is purified by proprietary chromatographic techniques.

Source:
Escherichia Coli.

Physical Appearance:
Sterile Filtered colorless liquid formulation.

Formulation:
0.1mg/ml in 50mM Tris-Acetate, pH-7.5, 1mM EDTA and 20% Glycerol.

Stability:
Endoglin although stable at 15°C for 1 week, should be stored desiccated below -18°C.
For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).
Please prevent freeze-thaw cycles.

Purity:
Greater than 90.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Analysis by SDS-PAGE.

Usage: Angio-Proteomie's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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