

Endoglin Mouse Recombinant

Item Number	rAP-0411
Synonyms	CD105, ENG, END, ORW, HHT1, ORW1, FLJ41744, Cell surface MJ7/18 antigen, Endoglin.
Description	CD105 Mouse Recombinant extracellular domain produced in baculovirus is a homodimeric, glycosylated, Polypeptide containing 581 amino acids and having a molecular mass of 61 kDa but as a result of glycosylation, migrates at 75-85 kDa under reducing conditions in SDS-PAGE. Based on N-terminal sequence
Uniprot Accession Number	Q63961
Amino Acid Sequence	MDRGVLPITLLFVIYSFVPTTGLAERVGCDLQVPDPTRGEVT FTTSQVSEGCVAQAANAVREVHVLFLDFPGMLSHLELTQASKQNGTETQEVEF LVLVSNKNVFKVQAPEIPLHLAYDSSLVIFQQQPRVNITVLPSTSRKQILDWA ATKGAITSIAALDDPQSIVLQLGQDPKAPFLCLPEAHKDMGATLEWQPRAQTP VQSCRLEGVSGHKEAYILRILPGSEAGPRTVTMMELSGDAILILHGPPYVS
Source	Insect Cells.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Endoglin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CD105 should be stored at 4°C between 2-7 days and for future use 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.
Formulation and Purity	Endoglin was lyophilized from a concentrated (1mg/ml) sterile solution containing no additives. Greater than 95.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized CD-105 in sterile PBS not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Measured by its ability to bind with rhTGF-beta RII/Fc in a functional ELISA. Optimal dilutions should be determined by each laboratory for each application.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**