

Human Endoglin Recombinant Protein



RPPB0177

Product Information Protein Information

Product SKU:

RPPB0177

Accession:

P17813

Host:

Sf9 Insect Cells.

Protein description:

CD105 Human Recombinant extracellular domain produced in baculovirus is a homodimeric, glycosylated, Polypeptide containing 586 amino acids and having a molecular mass of 61 kDa but as a result of glycosylation, migrates at 90 kDa under reducing conditions in SDS-PAGE. The CD105 is fused to a C-terminal His-tag (6xHis) and purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

CD105, ENG, END, ORW, HHT1, ORW1, FLJ41744, Endoglin.

Formulation:

Endoglin was lyophilized from a concentrated (1mg/ml) sterile solution containing 1xPBS.

Purity:

Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized CD-105 in sterile PBS not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

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.

Amino Acid Sequence:

MDRGTLP L A V A L L A S C S L S P T S L A E T V H C D L Q P V G P E R G E V T Y
T T S Q V S K G C V A Q A P N A I L E V H V L F L E F P T G P S Q L E L T L Q A S K Q N G T W P R E V L L V L
S V N S S V F L H L Q A L G I P L H L A Y N S S L V T F Q E P P G V N T T E L P S F P K T Q I L E W A A E R G P I
T S A A E L N D P Q S I L L R L G Q A Q G S L S F C M L E A S Q D M G R T L E W R P R T P A L V R G C H L E
G V A G H K E A H I L R V L P G H S A G P R T V T V K V E L S C A P G D L D A V L I L Q G P P Y V S W L I D
A N H N M Q I W T T G E Y S F K I F P E K N I R G F K L P D T P Q G L L G E A R M L N A S I V A S F V E L P L
A S I V S L H A S S C G G R L Q T S P A P I Q T T P P K D T C S P E L L M S L I Q T K C A D D A M T L V L K K E
L V A H L K C T I T G L T F W D P S C E A E D R G D K F V L R S A Y S S C G M Q V S A S M I S N E A V V N I
L S S S P Q R K K V H C L N M D S L S F Q L G L Y L S P H F L Q A S N T I E P G Q Q S F V Q V R V S P S V S E
F L L Q L D S C H L D L G P E G G T V E L I Q G R A A K G N C V S L L S P S P E G D P R F S F L L H F Y T V P I P K T G T L S C T V A L R P K T G S .

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.