PRODUCT INFORMATION

Target	CD105
Synonyms	ENG; END; HHT1; ORW1
Description	Recombinant human CD105 Protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P17813
Expression Host	HEK293
Tag	C-6×His tag
Molecular Characterization	CD105(Glu26-Gly586) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 61.6 kDa after removal of the signal peptide. The apparent molecular mass of CD105-His is approximately 55-100 kDa due to glycosylation.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	This gene encodes a homodimeric transmembrane protein which is a major glycoprotein of the vascular endothelium. This protein is a component of the transforming growth factor beta receptor complex and it binds to the beta1 and beta3 peptides with high affinity. Mutations in this gene cause hereditary hemorrhagic telangiectasia, also known as Osler-Rendu-Weber syndrome 1, an autosomal dominant multisystemic vascular dysplasia. This gene may also be involved in preeclampsia and several types of cancer. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2013]
Usage	Research use only
Conjugate	Unconjugated

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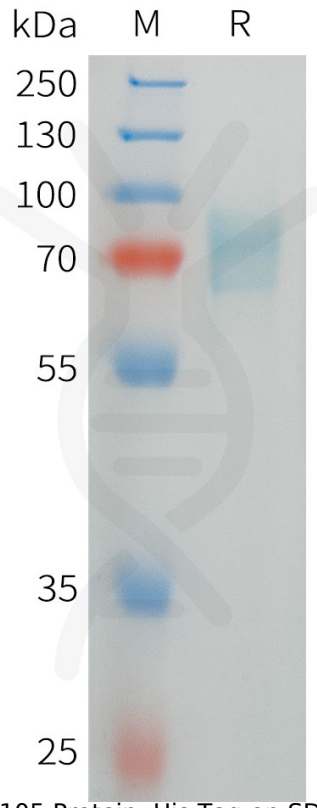


Figure 1. Human CD105 Protein, His Tag on SDS-PAGE under reducing condition.

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