

Datasheet for ABIN7597406

Endoglin Protein (ENG) (AA 26-586) (His tag)[Go to Product page](#)

Overview

Quantity:	10 µg
Target:	Endoglin (ENG)
Protein Characteristics:	AA 26-586
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Endoglin protein is labelled with His tag.

Product Details

Purpose:	Recombinant human CD105 Protein with C-terminal 6xHis tag
Sequence:	CD105(Glu26-Gly586) 6xHis tag
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	Endoglin (ENG)
Alternative Name:	CD105 (ENG Products)
Background:	<p>ENG, END, HHT1, ORW1</p> <p>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</p>

Target Details

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]

Molecular Weight: predicted molecular mass of 61.6 kDa after removal of the signal peptide. The apparent molecular mass of CD105-His is 55-100 kDa due to glycosylation.

UniProt: [P17813](#)

Application Details

Application Notes: Extracellular Domain Proteins (ECD) can be used as:

- Immunogens for antibody drug development
- Reagents used for CAR-T positive cell monitoring
- Reagents for antibody screening and functional testing
- Reagents for antibody affinity measurement

Comment: The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: 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.

Expiry Date: 12 months