

## CD105/Endoglin Protein, Human (HEK293, His-Avi)

Cat. No.:	HY-P78431
Synonyms:	CD105; Endoglin; ENG; ORW; ORW1; END; HHT1
Species:	Human
Source:	HEK293
Accession:	P17813 (E26-G586)
Gene ID:	2022
Molecular Weight:	70-82 kDa

### PROPERTIES

Biological Activity	Immobilized Human Endoglin, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Anti-Endoglin Antibody, hFc Tag with the EC <sub>50</sub> of 13.4ng/ml determined by ELISA.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	CD105/Endoglin Protein is a vascular endothelium glycoprotein that plays a crucial role in angiogenesis regulation, maintaining the structure and integrity of adult vasculature. It also controls the migration of vascular endothelial cells and contributes to extraembryonic angiogenesis and embryonic heart development. CD105/Endoglin Protein is involved in endothelial cell shape changes in response to blood flow, facilitating vascular remodeling during angiogenesis. Additionally, it acts as a coreceptor for TGF-beta, participating in the TGF-beta/BMP signaling cascade and activating SMAD transcription factors. CD105/Endoglin Protein forms dimers and interacts with various receptors, including TGFBR1, TGFBR2, GDF2, ACVRL1, BMP10, DYNLT4, and ARRB2.
------------	---

---

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA