

Recombinant Mouse Endoglin (Eng), N-His

Cat. No.: AP4C727

Product Type: Animal Proteins

Size: 10 µg; 50 µg; 200 µg; 1 mg; 5 mg

Product Overview

BioVenic's Recombinant Mouse Endoglin (Eng), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 13.7 kDa. The purity is > 97%.

Specifications

Type	Recombinant Protein
Species	Mouse
Expression System	<i>E.coli</i>
Purity	> 97%
Endotoxin	<1.0 EU per 1µg (determined by the LAL method)
Predicted Molecular Weight	13.7 kDa
Physical State	Lyophilized
Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.

Target Information

Mouse Endoglin (Eng) is a RGD-domain-containing transmembrane glycoprotein that plays a crucial role in angiogenesis and vascular development. It is highly expressed on endothelial cells and is involved in the regulation of TGF-β signaling pathways. Endoglin forms a complex with TGF-β receptors, modulating their signaling to regulate cell proliferation, migration, and differentiation. Mutations in the endoglin gene can lead to hereditary hemorrhagic telangiectasia (HHT), a disorder characterized by abnormal blood vessel formation. In cancer, endoglin is overexpressed in tumor vasculature and is associated with poor prognosis. It is a target for anti-angiogenic therapies, with antibodies like TRC105 showing promise in preclinical studies.

Protein	Mouse Endoglin (Eng)
Protein Synonym	Cell surface MJ7/18 antigen; CD105
Gene ID	13805
EC No.	Q63961

Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -80°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 10 mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Aliquot the reconstituted solution to minimize freeze-thaw cycles.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.