

Active Recombinant Mouse Eng protein, His-tagged

Cat. No. Eng-3289M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Eng protein(NP_031958.2)(Met1-Gly580), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	1-580 a.a.
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	1. Measured by its ability to inhibit BMP9-induced alkaline phosphatase production by MC3T3E1 mouse chondrogenic cells. The ED50 for this effect is typically 25-100 ng/mL in the presence of 2 ng/mL of recombinant human BMP9.
Molecular Mass	The secreted recombinant mouse CD105 consists of 565 amino acids and has a calculated molecular mass of 61.2 kDa. As a result of glycosylation, the apparent molecular mass of the recombinant protein is approximately 65-70 kDa in SDS-PAGE under reducing conditions.
Proteinlength	Met1-Gly580

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 97 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Eng endoglin [Mus musculus]
Official Symbol	Eng
Synonyms	ENG; endoglin; transmembrane glycoprotein; cell surface MJ7/18 antigen; CD105; AI528660; AI662476; S-endoglin;
Gene ID	13805
mRNA Refseq	NM_001146348
Protein Refseq	NP_001139820

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