

Active Recombinant Porcine endoglin Protein, Fc tagged

Cat. No. ENG-13P Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Porcine Endoglin protein (Val29-Gly581) with Human IgG1 Fc tag (Pro100-Lys330) at C-terminus was expressed in Chinese Hamster Ovary cell line.
Species	Porcine
Source	CHO
Description	Vascular endothelium glycoprotein that plays an important role in the regulation of angiogenesis. Required for normal structure and integrity of adult vasculature. Regulates the migration of vascular endothelial cells.
Tag	Fc
Form	Disulfide-linked homodimer
Molecular Mass	86.8 kDa (monomer)
Bio-activity	Measured by its ability to inhibit BMP-10-induced alkaline phosphatase production by MC3T3-E1 mouse preosteoblast cells. The ED50 for this effect is 0.3-1.2 µg/mL.
N-terminal Sequence Analysis	Val29
Endotoxin	< 0.01 EU/µg of the protein by the LAL method.

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Purity	> 95%, by SDS-PAGE under reducing conditions and visualized by silver stain
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution in PBS.
Reconstitution	Reconstitute at 100 µg/mL in PBS.
Shipping	The product is shipped at ambient temperature.
Reference	1. Yamashita, H. et al. (1994) J. Biol. Chem. 269:1995. 2. ten Dijke, P. et al. (2008) Angiogenesis 11:79. 3. Bernabeu, C. et al. (2007) J. Cell. Biochem. 102:1375.

GENE INFORMATION

Gene Name	ENG endoglin [<i>Sus scrofa</i> (pig)]
Official Symbol	ENG
Synonyms	ENG; endoglin; CD105 antigen; CD105; Endoglin; ENDOSler-Rendu-Weber syndrome 1; ENG; HHT1FLJ41744; ORW; ORW1
Gene ID	397096
mRNA Refseq	NM_214031
Protein Refseq	NP_999196

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UniProt ID

P37176

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