

Recombinant Mouse Epgn Protein, His-tagged

Cat. No. Epgn-2174M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Epgn Protein (Ala19-Lys109) with a N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ala19-Lys109
Description	Enables epidermal growth factor receptor binding activity and growth factor activity. Involved in positive regulation of epidermal growth factor-activated receptor activity; positive regulation of epithelial cell proliferation; and positive regulation of mitotic nuclear division. Acts upstream of or within MAPK cascade. Predicted to be integral component of plasma membrane. Predicted to be active in extracellular space. Is expressed in alimentary system; male reproductive gland or organ; metanephros; and skin. Orthologous to human EPGN (epithelial mitogen).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 13.7 kDa Accurate Molecular Mass: 18 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Epgn epithelial mitogen [Mus musculus (house mouse)]
Official Symbol	Epgn
Synonyms	Epgn; epithelial mitogen; epigen; 2310069M11Rik; epigen EPG
Gene ID	71920
mRNA Refseq	NM_053087
Protein Refseq	NP_444317

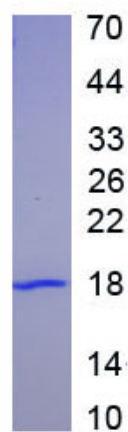
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UniProt ID

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