

Recombinant Rat Epgn Protein, His-tagged

Cat. No. Epgn-2175R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Epgn Protein (Ala4-Lys95) with a N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Ala4-Lys95
Description	Predicted to enable epidermal growth factor receptor binding activity and growth factor activity. Predicted to be involved in several processes, including angiogenesis; positive regulation of mitotic nuclear division; and positive regulation of protein kinase activity. Predicted to act upstream of or within MAPK cascade. Predicted to be integral component of plasma membrane. Orthologous to human EPGN (epithelial mitogen).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 14.1 kDa Accurate Molecular Mass: \
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.

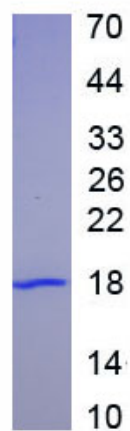
GENE INFORMATION

Gene Name	Epgn epithelial mitogen [Rattus norvegicus (Norway rat)]
Official Symbol	Epgn
Synonyms	Epgn; epithelial mitogen; epigen; 2310069M11Rik; epigen EPG
Gene ID	289515
mRNA Refseq	NM_001305170
Protein Refseq	NP_001292099

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