

Recombinant Mouse Reg3a Protein, His-tagged

Cat. No. Reg3a-2012M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Reg3a Protein (Arg37-Gln175) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Arg37-Gln175
Description	Predicted to enable several functions, including identical protein binding activity; oligosaccharide binding activity; and peptidoglycan binding activity. Involved in negative regulation of keratinocyte differentiation; positive regulation of keratinocyte proliferation; and positive regulation of wound healing. Predicted to be located in extracellular region. Predicted to be active in extracellular space. Is expressed in gut and pancreas. Orthologous to human REG3A (regenerating family member 3 alpha) and REG3G (regenerating family member 3 gamma).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 19.1 kDa Accurate Molecular Mass: 17 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 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	Reg3a regenerating islet-derived 3 alpha [Mus musculus (house mouse)]
Official Symbol	Reg3a
Synonyms	REG3A; regenerating islet-derived 3 alpha; regenerating islet-derived protein 3-alpha; REG-3-alpha; reg III-alpha; RegIII (alpha); lithostathine 3; pancreatitis-associated protein 2; islet of Langerhans regenerating protein 3; regenerating islet-derived protein III-alpha; generating islet-derived, mouse homolog 3 alpha; AV063448;
Gene ID	19694
mRNA Refseq	NM_011259
Protein Refseq	NP_035389
UniProt ID	O09037

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