

Recombinant Mouse Reg3g protein, His & S-tagged

Cat. No. Reg3g-1283M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Reg3g aa. (Arg45~Ser152 (Accession # O09049) fused with N-terminal His & S tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Arg45~Ser152
Description	This gene encodes a C-type lectin that demonstrates bactericidal activity. This gene is predominantly expressed in the distal small intestine where the encoded protein undergoes proteolytic processing by trypsin. Mice lacking the encoded protein exhibit altered mucus distribution, increased bacterial contact with the epithelium, and elevated inflammatory markers in the ileum, and low-grade inflammation.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 17.3kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.0.

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Reg3g regenerating islet-derived 3 gamma [Mus musculus (house mouse)]
Official Symbol	Reg3g
Synonyms	Reg3g; regenerating islet-derived 3 gamma; AI449515; REG-3-gamma; reg III-gamma; regenerating islet-derived protein 3-gamma; generating islet-derived, mouse homolog 3 gamma; pancreatitis-associated protein 3; regenerating islet-derived protein III-gamma
Gene ID	19695
mRNA Refseq	NM_011260.2

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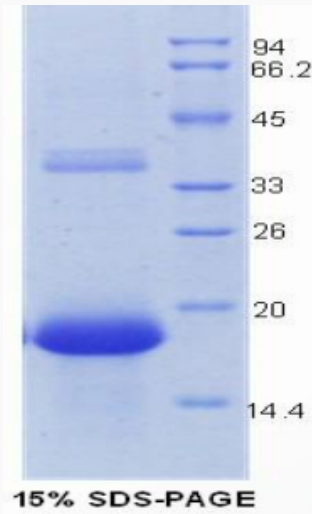
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Protein Refseq NP_035390.1

UniProt ID O09049

SDS-PAGE



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