Recombinant Human REG3G protein, His & T7-tagged

Cat. No. REG3G-1282H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human REG3G aa. (Ser39~Asp175 (Accession # Q6UW15) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ser39~Asp175
Description	This gene encodes a member of the regenerating islet-derived genes (REG)3 protein family. These proteins are secreted, C-type lectins with a carbohydrate recognition domain and N-terminal signal peptide. The protein encoded by this gene is an antimicrobial lectin with activity against Gram-positive bacteria. Alternative splicing results in multiple transcript variants encoding multiple isoforms.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 18.9kDa.
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 8.2.

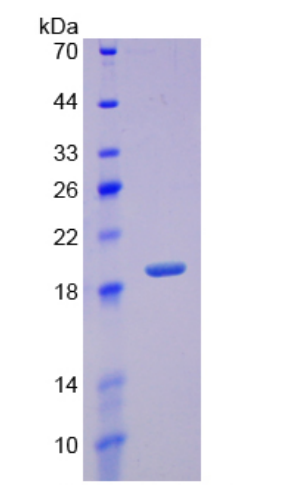
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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious 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% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	REG3G regenerating family member 3 gamma [Homo sapiens (human)]
Official Symbol	REG3G
Synonyms	REG3G; regenerating family member 3 gamma; PAP1B; PAPIB; PAP IB; PAP-1B; UNQ429; LPPM429; REG III; REG-III; regenerating islet-derived protein 3-gamma; REG-3-gamma; pancreatitis-associated protein 1B; pancreatitis-associated protein IB; reg III-gamma; regenerating gene III; regenerating islet-derived 3 gamma; regenerating islet-derived protein III-gamma
Gene ID	130120
mRNA Refseq	NM_001008387.2

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Protein Refseq	NP_001008388.1
UniProt ID	Q6UW15
SDS-PAGE	

15% SDS-PAGE

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