

Recombinant Rat REG3G Protein (27-174 aa), His-tagged

Cat. No. REG3G-1503R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat REG3G Protein (27-174 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Species	Rat
Source	Yeast
ProteinLength	27-174 aa
Description	Bactericidal C-type lectin which acts exclusively against Gram-positive bacteria and mediates bacterial killing by binding to surface-exposed carbohydrate moieties of peptidoglycan. Restricts bacterial colonization of the intestinal epithelial surface and consequently limits activation of adaptive immune responses by the microbiota. The uncleaved form has bacteriostatic activity, whereas the cleaved form has bactericidal activity against <i>L.monocytogenes</i> and methicillin-resistant <i>S.aureus</i> . Regulates keratinocyte proliferation and differentiation after skin injury.
Form	Tris-based buffer,50% glycerol
Molecular Mass	18.3 kDa
AA Sequence	EDAKEDVPTSRISCPKGSRAYGSYCYALFSVSKSWFDADLACQKRPSGHLVSVLSG SEASFVSSLIKSSGNSGQNVWIGLHDPTLGQEPNRGGWEWSNADVMNYFNWETN PSSVSGSHCGTLTRASGFLRWRENNCISELPYVCKFKA

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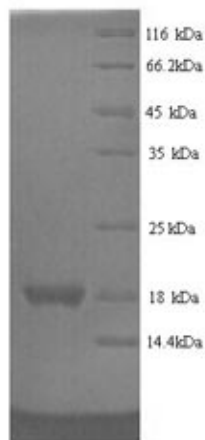
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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.
GENE INFORMATION	
Gene Name	Reg3g regenerating islet-derived 3 gamma [Rattus norvegicus]
Official Symbol	REG3G
Synonyms	REG3G; REG-3-gamma; reg III-gamma; Pap3; PAPIII;
Gene ID	24620
mRNA Refseq	NM_173097
Protein Refseq	NP_775120
UniProt ID	P42854

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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