

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

Cat. No. REG3G-1502M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse 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	Mouse
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 L.monocytogenes and methicillin-resistant S.aureus. Regulates keratinocyte proliferation and differentiation after skin injury.
Form	Tris-based buffer,50% glycerol
Molecular Mass	18.3 kDa
AA Sequence	EVAKKDAPSSRSSCPKGSRAYGSYCYALFSVSKNWDADMACQKRPSGHLVSVLS GAEASFLSSMIKSSGNSGQYVWIGLHDPTLGYPEPNRGGWEWSNADVMNYINWETN PSSSSGNHCGTLSRASGFLKWRENYCNLELPYVCKFKA

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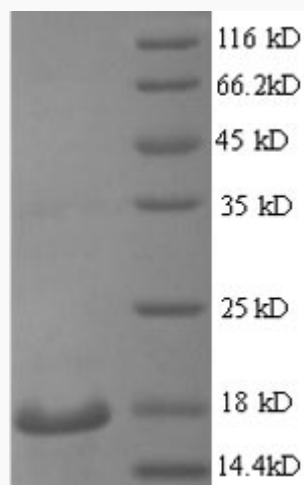
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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage 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 [Mus musculus]
Official Symbol	REG3G
Synonyms	REG3G; REG-3-gamma; reg III-gamma; RegIII (gamma); AI449515;
Gene ID	19695
mRNA Refseq	NM_011260
Protein Refseq	NP_035390
UniProt ID	O09049

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

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