

Recombinant Mouse Regenerating islet-derived protein 3-gamma(Reg3g)

Catalog No: #AP70708

Package Size: #AP70708-1 20ug #AP70708-2 100ug #AP70708-3 1mg

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Description

Product Name	Recombinant Mouse Regenerating islet-derived protein 3-gamma(Reg3g)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:27-174aaSequence Info:Full Length
Other Names	Pancreatitis-associated protein 3Regenerating islet-derived protein III-gamma ;Reg III-gamma
Accession No.	O09049
Calculated MW	20.3 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	EVAKKDAPSSRSSCPKGSRAYGSYCYALFSVSKNWDADMACQKRPSGHLVSVLSGAEASFLSSMIKSSGN SGQYVWIGLHDPTLGYEPNRGGWEWSNADVMNYINWETNPSSSSGNHCGTLSRASGFLKWRENYCNLELP YVCKFKA
Formulation	Tris-based buffer50% glycerol
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°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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

References

Innate Stat3-mediated induction of the antimicrobial protein Reg3gamma is required for host defense against MRSA pneumonia.Choi S.M., McAleer J.P., Zheng M., Pociask D.A., Kaplan M.H., Qin S., Reinhart T.A., Kolls J.K.J. Exp. Med. 210:551-561(2013) Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.