

Recombinant Human Regenerating islet-derived protein 3-alpha(REG3A)

Catalog No: #AP70706

Package Size: #AP70706-1 20ug #AP70706-2 100ug #AP70706-3 1mg

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Description

Product Name	Recombinant Human Regenerating islet-derived protein 3-alpha(REG3A)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:27-175aaSequence Info:Full Length
Other Names	Hepatointestinal pancreatic protein ;HIP,PAPHuman proislet peptidePancreatitis-associated protein 1Regenerating islet-derived protein III-alpha ;Reg III-alpha
Accession No.	Q06141
Calculated MW	43.6 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	EEPQRELPSARIRCPKGSKAYGSHCYALFLSPKSWTDADLACQKRPSGNLVSVLGAEGSFVSSLVKSIGNSY SYVWIGLHDPTQGTEPNGEWSSSDVMNYFAWERNPSTISSPGHCASLSRSTAFLRWKDYNCNVRLPYV CKFTD
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. Regulates keratinocyte proliferation and differentiation after skin injury via activation of EXTL3-PI3K-AKT signaling pathway.

References

Molecular basis for peptidoglycan recognition by a bactericidal lectin.Lehotzky R.E., Partch C.L., Mukherjee S., Cash H.L., Goldman W.E., Gardner K.H., Hooper L.V.Proc. Natl. Acad. Sci. U.S.A. 107:7722-7727(2010) Research Topic:Immunology

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