

Recombinant Human REG3A protein, T7/His-tagged

Cat. No. REG3A-128H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human REG3a cDNA (27 – 175 aa, derived from BC036776) fused with T7-His-TEV cleavage site Tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	27-175 a.a.
Form	0.2 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, Sucrose and DTT.
AA Sequence	MASMTGGQQMGRGRGHHHHHGNLYFQGGFEFEPQRELP SARIRCPKGSKAYGSHC YALFLSPKSWTDADLACQKRP SGNLVSVL SGAEGSFVSSLVKSIGNSYSYVWIGLH DPTQGTEPNGEGWEWSSSDVMNYFAWERNPSTISSPGHCA SLRSTAF LRWKDY NCNVRLPYVCKFTD
Purity	>90% by SDS-PAGE
Applications	1. May be used for in vitro human REG3a mediated membrane phospholipids binding for regulating inflammation pathway in anti-bacterial or cancer cell proliferation study with this protein as either coating matrix protein or soluble factor.2. May be used for REG3a protein-protein interaction assay.3. Potential biomarker protein for monitoring cancer growth.4. As antigen for specific antibody production.

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Storage Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at least 30 days.

GENE INFORMATION

Gene Name REG3A regenerating islet-derived 3 alpha [Homo sapiens]

Official Symbol REG3A

Synonyms REG3A; regenerating islet-derived 3 alpha; pancreatitis associated protein , PAP; regenerating islet-derived protein 3-alpha; HIP; PAP1; PBCGF; REG III; REG3; REG-3-alpha; reg III-alpha; PAP homologous protein; human proislet peptide; pancreatitis-associated protein 1; proliferation-inducing protein 34; proliferation-inducing protein 42; hepatocarcinoma-intestine-pancreas; pancreatic beta cell growth factor; regenerating islet-derived protein III-alpha; PAP; PAP-H; REG-III; FLJ18565;

Gene ID 5068

mRNA Refseq NM_002580

Protein Refseq NP_002571

MIM 167805

UniProt ID Q06141

Chromosome Location 2p12

Function binding; sugar binding;

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