

Regenerating Islet Derived Protein 3 Beta (REG3b) Active Protein | REG3b active protein

Active Regenerating Islet Derived Protein 3 Beta (REG3b)

CATALOG # AAA148217	HOST E Coli	REACTIVITY Mouse	APPLICATIONS Activity Assay, Cell Culture
-------------------------------	-----------------------	----------------------------	---

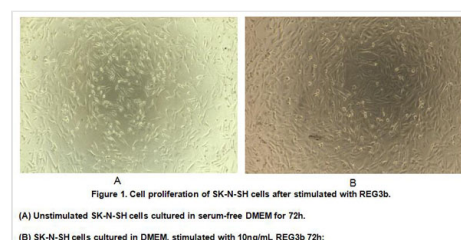
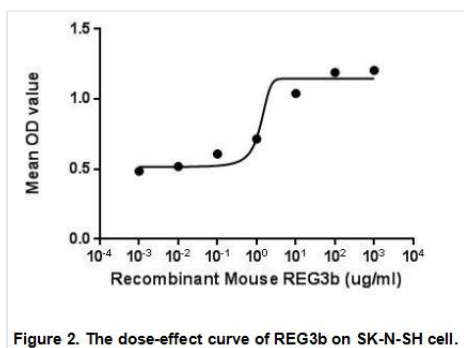
PRODUCT SYNONYMS

Regenerating Islet Derived Protein 3 Beta (REG3b); Active Regenerating Islet Derived Protein 3 Beta (REG3b); PAP1; Pancreatitis-Associated Protein 1; REG3b active protein

PRODUCT SPECIFICATIONS

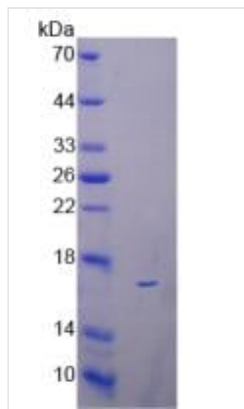
Host	E Coli
Reactivity	Mouse
Purity/Purification	> 97%
Form/Format	Freeze-dried powder
Sequence Length	175
Applicable Applications for REG3b active protein	Activity Assay, Cell Culture
Tag	N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Fragment	Glu27~Gly175
Isoelectric Point	7.8

IMAGES

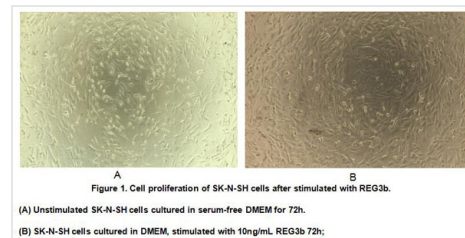


Application Data

Application Data



SDS-PAGE



Activity

Regenerating Islet Derived Protein 3 Beta (REG3b) also known as PAP-I and HIP is bactericidal C-type lectin which acts against several intestinal Gram-positive bacteria and Gram-negative bacteria. The Reg family proteins have been implicated in a range of physiological processes including acting as acute phase reactants, lectins, survival/growth factors for insulin-producing pancreatic beta-cells, neural cells, and epithelial cells of the digestive system. To test the effect of REG3b on cell proliferation of SK-N-SH, SK-N-SH cells were seeded into triplicate wells of 96-well plates at a density of 5,000 cells/well and allowed to attach overnight, then the medium was replaced with serum-free standard DMEM prior to the addition of various concentrations of REG3b. After incubated for 72h, cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8 (CCK-8). Briefly, 10uL of CCK-8 solution was added to each well of the plate, then measure the absorbance at 450nm using a microplate reader after incubating the plate for 1-4 hours at 37 degree C. Cell proliferation of SK-N-SH cells after incubation with REG3b for 72h observed by inverted microscope was shown in Figure 1.

ADDITIONAL INFORMATION

Product Categories/Family for REG3b active protein	Human gene deletion
--	---------------------

NCBI AND UNIPROT INFORMATION

NCBI GI #	6754980
NCBI GeneID	18489
NCBI Accession #	NP_035166.1
NCBI GenBank Nucleotide #	NM_011036.1
UniProt Accession #	P35230
Molecular Weight	Predicted Molecular Weight: 20.4kDa Accurate Molecular Weight: 17kDa
NCBI Official Full Name	regenerating islet-derived protein 3-beta
NCBI Official Synonym Full Names	regenerating islet-derived 3 beta
NCBI Official Symbol	Reg3b
NCBI Official Synonym Symbols	HIP; Pap; PAP1; REG-III
NCBI Protein Information	regenerating islet-derived protein 3-beta
UniProt Protein Name	Regenerating islet-derived protein 3-beta
UniProt Gene Name	Reg3b
UniProt Synonym Gene Names	Pap; Pap1; REG-3-beta; Reg III-beta

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/e-coli-mouse-active-protein/regenerating-islet-derived-protein-3-beta-reg3b/148217>