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Product Datasheet

Mouse Reg3B protein, His tag (active), Unconjugated GTX00307-PRO

Article Name	Mouse Reg3B protein, His tag (active), Unconjugated
Biozol Catalog Number	GTX00307-PRO
Supplier Catalog Number	GTX00307-pro
Alternative Catalog Number	GTX00307-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Mouse
Conjugation	Unconjugated
NCBI	18489
UniProt	P35230
Buffer	Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose, ProClin 300.
Expression System	E. coli
Form	Lyophilized powder
Sequence	N-terminal His-Tag, Glu27~Gly175 (NP_035166.1)

Application Notes	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 5000 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, 10 µl 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 37C . Cell proliferation of SK-N-SH cells after incubation with REG3b for 72h observed by inverted microscope.
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