

Active Recombinant Mouse REG4 protein, His-tagged

Cat. No. Reg4-4019M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse REG4 protein(NP_080604.2)(Met1-Thr157), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Thr157
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion and proliferation of HCT-116 human colorectal carcinoma cells (ATCC: CCL-247) under low serum conditions. When 5 x 10E4 cells/well are added to mouse REG4 coated plates (0.16 µg/ml and 100 µl/well), >70% cell will adhere after 60 minutes at 37°C.
Molecular Mass	The recombinant mouse REG4 comprises 146 amino acids and has a predicted molecular mass of 17.5 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm REG4 is approximately 23-30 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Reg4 regenerating islet-derived family, member 4 [<i>Mus musculus</i>]
Official Symbol	REG4
Synonyms	REG4; regenerating islet-derived family, member 4; regenerating islet-derived protein 4; REG-4; GISP; RELP; 2010002L15Rik;
Gene ID	67709
mRNA Refseq	NM_026328
Protein Refseq	NP_080604

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