



Recombinant Protein Technical Manual

Recombinant Mouse REG3D Protein (His Tag)

RPES2356

Product Data:

Product SKU: RPES2356

Size: 20µg

Species: Mouse

Expression host: HEK293 Cells

Uniprot: NP_038921.2

Protein Information:

Molecular Mass: 18.5 kDa

AP Molecular Mass: 17 kDa

Tag: C-His

Bio-activity:

Purity: > 97 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg of the protein as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile PBS, pH 7.4

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: INGAP;Ingaprp;MGC130575;Reg3d

Immunogen Information:

Sequence: Met 1-Gly 175

Background:

Regenerating islet-derived 3 delta (REG3D) is a member of the secreted Reg superfamily and contains one typical C-type lectin domain. Regenerating gene (Reg), first isolated from a regenerating islet cDNA library, encodes a secretory protein with a growth stimulating effect on pancreatic beta cells. Reg and Reg-related genes which were expressed in various organs have been revealed to constitute a multigene family, the Reg family, which consists of four subtypes (types I, II, III, IV) based on the primary structures of the encoded proteins of the genes, which are associated with tissue repair and have been directly implicated in pancreatic beta-cell regeneration. Reg proteins are expressed in various organs and are involved in cancers and neurodegenerative diseases. They display a typical C-type lectin-like domain but possess additional highly conserved amino acids.