



Recombinant Protein Technical Manual
Recombinant Human PPM1G/PP2C-gamma Protein
(aa 317-546, His Tag)
RPES2411

Product Data:

Product SKU: RPES2411

Size: 20µg

Species: Human

Expression host: E. coli

Uniprot: O15355

Protein Information:

Molecular Mass: 26.6 kDa

AP Molecular Mass: 30 kDa

Tag: N-His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: Please contact us for more information.

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 50mM Tris, 1mM DTT, 20% glycerol, pH 7.5

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

Application:

Synonyms: Protein Phosphatase 1G; Protein Phosphatase 1C; Protein Phosphatase 2C Isoform Gamma; PP2C-Gamma; Protein Phosphatase Magnesium-Dependent 1 Gamma; PPM1G; PP2CG;PP2CGAMMA

Immunogen Information:

Sequence: Met 317-Asp 546

Background:

Protein phosphatase 1G, also known as Protein phosphatase 1C, Protein phosphatase 2C isoform gamma, Protein phosphatase magnesium-dependent 1 gamma, PP2C-gamma, PPM1G and PPM1C, is a cytoplasm protein which belongs to the PP2C family. PPM1G / PP2C-gamma is widely expressed. It is most abundant in testis, skeletal muscle, and heart. Alternatively spliced transcript variants encoding the same protein have been described. PP2C family members are known to be negative regulators of cell stress response pathways. PPM1G / PP2C-gamma is found to be responsible for the dephosphorylation of Pre-mRNA splicing factors, which is important for the formation of functional spliceosome. PPM1G / PP2C-gamma also plays a role in regulating cell cycle progression.