



Recombinant Protein Technical Manual
Recombinant Human IMP1/IMPA1 Protein (His Tag)
RPES3412

Product Data:

Product SKU: RPES3412

Size: 20µg

Species: Human

Expression host: E. coli

Uniprot: P29218

Protein Information:

Molecular Mass: 32.4 kDa

AP Molecular Mass: 32 kDa

Tag: N-His

Bio-activity:

Purity: > 85 % 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 PBS, 10 % glycerol, pH 7.4

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

Application:

Synonyms: Inositol Monophosphatase 1; IMP 1; IMPase 1; Inositol(or 4)-Monophosphatase 1; Lithium-Sensitive Myo-Inositol Monophosphatase A1; IMPA1; IMPA

Immunogen Information:

Sequence: Met 1-Asp277

Background:

The IMPA1 gene product is responsible for the final step of biotransformation of inositol triphosphate and diacylglycerol, two second messengers. Despite its many physiological functions, no clinical phenotype has been assigned to this gene dysfunction to date. Additionally, IMPA1 is the main target of lithium, a drug that is at the forefront of treatment for bipolar disorder.