



Recombinant Protein Technical Manual
Recombinant Human TRAP-alpha/SSR1 Protein (Fc
Tag)
RPES3542

Product Data:

Product SKU: RPES3542

Size: 20µg

Species: Human

Expression host: HEK293 Cells

Uniprot: NP_003135.2

Protein Information:

Molecular Mass: 47.8 kDa

AP Molecular Mass:

Tag: C-Fc

Bio-activity:

Purity: > 90 % as determined by reducing 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: TRAPA

Immunogen Information:

Sequence: Met 1-Thr 207

Background:

GMPR, also known as GMPR1, belongs to the IMPDH/GMPR family. This family of enzymes includes IMP dehydrogenase and GMP reductase. These enzymes are involved in purine metabolism and adopt a TIM barrel structure. GMPR is an enzyme that catalyzes the irreversible and NADPH-dependent reductive deamination of GMP to IMP. GMPR functions in the conversion of nucleobase, nucleoside and nucleotide derivatives of G to A nucleotides, and in maintaining the intracellular balance of A and G nucleotides.