Recombinant Protein Technical Manual

Recombinant Human PSAP/Prosaposin Protein (His Tag)

RPES3014

Product Data:

Product SKU: RPES3014

Size: 20µg

Species: Human

Expression host: HEK293 Cells

Uniprot: NP_002769.1

Protein Information:

Molecular Mass: 57.9 kDa

AP Molecular Mass:

Tag: C-His

Bio-activity:

Purity: > (79.8+19.7) % 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℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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: GLBA;SAP1

Immunogen Information:

Sequence: Met 1-Asn524

Background:

This gene encodes a highly conserved preproprotein that is proteolytically processed to generate four main cleavage products including saposins A, B, C, and D. Each domain of the precursor protein is approximately 80 amino acid residues long with nearly identical placement of cysteine residues and glycosylation sites. Saposins A-D localize primarily to the lysosomal compartment where they facilitate the catabolism of glycosphingolipids with short oligosaccharide groups. The precursor protein exists both as a secretory protein and as an integral membrane protein and has neurotrophic activities. Mutations in this gene have been associated with Gaucher disease and metachromatic leukodystrophy. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed.