



Recombinant Protein Technical Manual

**Recombinant Human Serglycin/SRGN Protein
(His&Myc Tag)
RPES4413**

Product Data:

Product SKU: RPES4413

Size: 50µg

Species: Human

Expression host: HEK293 Cells

Uniprot: CAA34900.1

Protein Information:

Molecular Mass: 17.3 kDa

AP Molecular Mass: 27 kDa

Tag: C-His & Myc

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg 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: PPG;PRG;PRG1

Immunogen Information:

Sequence: Met 1-Leu158

Background:

SRGN is known as a hematopoietic cell granule proteoglycan. Proteoglycans stored in the secretory granules of various hematopoietic cells has a protease-resistant peptide core, and is vital for neutralizing hydrolytic enzymes. SRGN is associated with the macromolecular complex of granzymes and perforin, which may serve as a mediator of granule-mediated apoptosis. It is required for storage of some proteases in both connective tissue and mucosal mast cells and for storage of granzyme B in T-lymphocytes. SRGN also plays a role in localizing neutrophil elastase in azurophil granules of neutrophils.