

Catalog No.: RP03237 **Recombinant**

Species	Gene ID	Swiss Prot
Human	5552	P10124

C-His

SRGN: PRG: PRG1

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.

Recombinant Human Serglycin/SRGN Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Tyr28-Leu158) of Human Serglycin/SRGN (Accession #AAA60179.1) fused with His tag at the C-terminus.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE

Calculated MW	Observed MW
16.1 KDa.	20-25 KDa.

< 1 EU/μg of the protein by LAL method.

Lyophilized from a 0.22 μ m filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

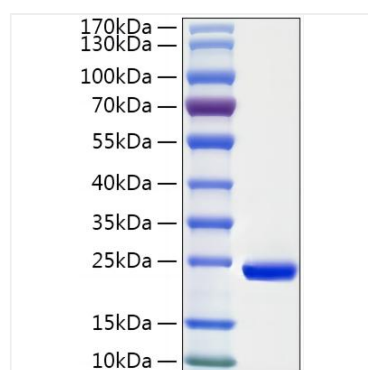
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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Validation Data



Recombinant Human Serglycin/SRGN Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.