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

### Catalog No. PKSH030585

*Note:* Centrifuge before opening to ensure complete recovery of vial contents.

Description		
Synonyms	PPG;PRG;PRG1	
Species	Human	
Expression Host	HEK293 Cells	
Sequence	Met 1-Leu158	
Accession	CAA34900.1	
Calculated Molecular Weight	17.3 kDa	
Observed molecular weight	27 kDa	
Tag	C-His-Myc	
Bioactivity	Not validated for activity	
Properties		
Purity	> 90 % as determined by reducing SDS-PAGE.	
Endotoxin	< 1.0 EU per $\mu$ g of the protein as determined by the LAL method.	
Storage	Generally, 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 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.	
Reconstitution	Please refer to the printed manual for detailed information.	

Data

KDa	MK	R
116	-	
66.2	-	
45.0	-	
35.0	-	
25.0	-1	-
18.4	-	
14.4	-	

> 90 % as determined by reducing SDS-PAGE.

## 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

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associated with the macromolecular complex of granzymes and perforin, which may serve as a mediator of granulemediated 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.

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