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

Catalog Number:PKSH030585

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

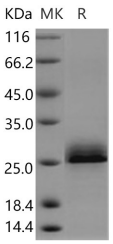
Description

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

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg 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℃. 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 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



> 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 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.

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