

Human Serglycin / SRGN Protein (His & Myc Tag)

Catalog Number: 13648-H33H



Sino Biological Inc.
Biological Solution Specialist

General Information

Gene Name Synonym:

PPG; PRG; PRG1; Prg; Prg1; Sgc

Protein Construction:

A DNA sequence encoding the human SRGN (Met1-Leu158) was fused with the C-terminal polyhistidine-tagged myc at the C-terminus.

Source: Human

Expression Host: Human Cells

QC Testing

Purity: > 90 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Tyr 28

Molecular Mass:

The recombinant human SRGN consists of 152 amino acids and predicts a molecular mass of 17.3 KDa. It migrates as an approximately 27 KDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

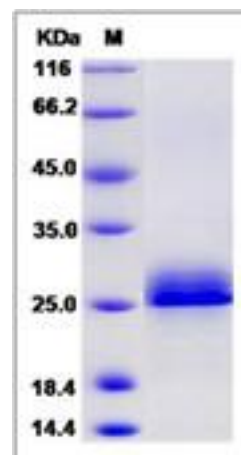
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

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.

References

- 1.Hatton MN. et al., 1985, Biochem J. 230 (3): 817-20.
- 2.Schick BP. et al., 1995, J Cell Physiol. 165 (1): 96-106.
- 3.Kato S. et al., 1995, Gene. 150 (2): 243-50.

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