
Product Data Sheet

Product Name: SRGN Human, HEK
 Cat. No.: GP24699
 Batch No.: 1

Product Data

Purity	>98%	Source	HEK 293.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Serglycin; PRG; PRG1; PPG; Proteoglycan 1 secretory granule; Hematopoietic proteoglycan core protein; Platelet proteoglycan core protein; proteoglycan protein core for mast cell secretory granule.		
Amino Acid Sequence	YPTRRARYQW VRCNPDSNSA NCLEEKGPMF ELLPGESNKI PRLRTDLFPK TRIQDLNRIF PLSYDYSYSGSG FGSGSGSGSGSG SGSGFLTEME QDYQLVDESD AFHDNLRSLD RNLPSDSQDL GQHGLEEDFM L HHHHHH.		
Formulation	SRGN filtered (0.4µm) solution at a concentration of 0.25mg/ml in phosphate buffered saline and 20% (w/v) glycerol.		

Introduction

SRGN is identified as a hematopoietic cell granule proteoglycan. Proteoglycans stored in the secretory granules of various hematopoietic cells also hold a protease-resistant peptide core, and is vital for neutralizing hydrolytic enzymes. SRGN is related to the macromolecular complex of granzymes and perforin that acts as a intermediary of granule-mediated apoptosis.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Serglycin Human Recombinant produced in HEK cells is a single, glycosylated, polypeptide chain (Tyr28-Leu158) containing a total of 137 amino acids, having a calculated molecular mass of 15.5kDa and fused to a 6 aa His tag at C-Terminus.

Caution: Product has not been fully validated for medical applications. For research use only.

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