
Product Data Sheet

Product Name: SRGN Human
 Cat. No.: GP24698
 Batch No.: 1

Product Data

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|---------------------|--|--------------------|-------------------------|
| Purity | >98% | Source | E.coli. |
| 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 | MGSSHHHHHH SGLVPRGSH MGSHPYPTRR ARYQWVRCNP DSNSANCLLEE KGPMFELLPG ESNKIPRLRT DLFPKTRIQD LNRIFPLSED YSGSGFGSGS GSGSGSGSGF LTEMEDYQL VDESDFHDN LRSLDRNLPS DSQDLGQHGL EEDFML. | | |
| Formulation | The SRGN solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 0.15M NaCl and 10% 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

SRGN Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 156 amino acids (28-158) and having a molecular mass of 17.4 kDa

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

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(Molecular weight on SDS-PAGE will appear higher).SRGN is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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