

SRGN Human

Description: 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 (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.

Catalog #: PRPS-972

For research use only.

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.

Source: E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGSHMYPTRR ARYQWVRCNP
DSNSANCL EE KGPMFELLPG ESNKIPRLRT DLFPKTRI QD LNRIFPLSED YSGSGFGSGS
SGSGSGSGSGF LTEMQDYQL VDESDAFHDN LRLDRNLPS DSQDLGQHGL EEDFML.

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:

The SRGN solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 0.15M NaCl and 10% glycerol.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

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