

## 32-4958: Recombinant Human Serglycin

**Alternative Name** Serglycin, PRG, PRG1, PPG, Proteoglycan 1 secretory granule, Hematopoietic proteoglycan core protein, Platelet proteoglycan core protein, proteoglycan protein core for mast cell secretory granule.

### Description

Source : E.coli. 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. 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.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 90% as determined by SDS-PAGE.  
**Content :** The SRGN solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 0.15M NaCl and 10% glycerol.  
**Storage condition :** 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.  
**Amino Acid :** MGSSHHHHHH SSSLVPRGSH MGSHPYPTRR ARYQWVRCNP DSNSANCL EE KGPMFELLPG  
ESNKIPRLRT DLFPKTRIQD LNRIFPLSED YSGSGFGSGS GSGSGSGSGF LTEMEQDYQL VDESDAFHDN  
LRSLDRNLPS DSQDLGQHGL EEDFML.

