Recombinant Human SRGN, His-tagged

Cat. No. SRGN-31396TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length mature Human SRGN (aa 28-158) with N terminal His tag; 156aa, 17.4kDa inclusive of tag.
Species	Human
Source	E.coli
ProteinLength	28-158 aa
Description	This gene encodes a protein best known as a hematopoietic cell granule proteoglycan. Proteoglycans stored in the secretory granules of many hematopoietic cells also contain a protease-resistant peptide core, which may be important for neutralizing hydrolytic enzymes. This encoded protein was found to be associated with the macromolecular complex of granzymes and perforin, which may serve as a mediator of granule-mediated apoptosis. Two transcript variants, only one of them protein-coding, have been found for this gene.
Conjugation	HIS
Molecular Weight	17.400kDa
Form	Liquid
Purity	>90% by SDS-PAGE

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage buffer	pH: 8.00Constituents:0.32% Tris HCl, 0.03% DTT, 0.88% Sodium chloride, 10% Glycerol
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MGSHMYPTRR ARYQWVRCNP DSNSANCLEE KGPMFELLPG ESNKIPRLRT DLFPKTRIQD LNRIFPLSED YSGSGFGSGS GSGSGSGSGF LTEMEQDYQL VDESDAFHDN LRSLDRNLPS DSQDLGQHGL EEDFML
Sequence Similarities	Belongs to the serglycin family.

GENE INFORMATION

Gene Name	SRGN serglycin [Homo sapiens]
Official Symbol	SRGN
Synonyms	SRGN; serglycin; PRG, PRG1, proteoglycan 1, secretory granule; PPG; serglycin proteoglycan;
Gene ID	5552
mRNA Refseq	NM_002727
Protein Refseq	NP_002718
MIM	177040

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Uniprot ID	P10124
Chromosome Location	10q22.1
Pathway	Hemostasis, organism-specific biosystem; Platelet activation, signaling and aggregation, organism-specific biosystem; Platelet degranulation, organism-specific biosystem; Response to elevated platelet cytosolic Ca2+, organism-specific biosystem;
Function	collagen binding; protein binding;

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