

## Recombinant Human SRGN, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length mature Human SRGN (aa 28-158) with N terminal His tag; 156aa, 17.4kDa inclusive of tag.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	28-158 aa
<b>Description</b>	<p>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.</p>
<b>Conjugation</b>	HIS
<b>Molecular Weight</b>	17.400kDa
<b>Form</b>	Liquid
<b>Purity</b>	>90% by SDS-PAGE

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<b>Storage buffer</b>	pH: 8.00 Constituents: 0.32% Tris HCl, 0.03% DTT, 0.88% Sodium chloride, 10% Glycerol
<b>Storage</b>	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Sequences of amino acids</b>	MGSSHHHHHH SSGLVPRGSH MGSHMYPTRR ARYQWVRCNP DSNSANCL EE KGP MFELLPG ESNKIPRLRT DLFPKTRIQD LNRIFPLSED YSGSGFGSGS GSGSGSGSGF LTEMEDYQL VDESDFHDN LRSLDRNLPS DSQDLGQHGL EEDFML
<b>Sequence Similarities</b>	Belongs to the serglycin family.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	SRGN serglycin [ Homo sapiens ]
<b>Official Symbol</b>	SRGN
<b>Synonyms</b>	SRGN; serglycin; PRG, PRG1, proteoglycan 1, secretory granule; PPG; serglycin proteoglycan;
<b>Gene ID</b>	5552
<b>mRNA Refseq</b>	NM_002727
<b>Protein Refseq</b>	NP_002718
<b>MIM</b>	177040


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<b>Uniprot ID</b>	P10124
<b>Chromosome Location</b>	10q22.1
<b>Pathway</b>	Hemostasis, organism-specific biosystem; Platelet activation, signaling and aggregation, organism-specific biosystem; Platelet degranulation, organism-specific biosystem; Response to elevated platelet cytosolic Ca <sup>2+</sup> , organism-specific biosystem;
<b>Function</b>	collagen binding; protein binding;

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