

Recombinant Human SRGN

Cat. No. SRGN-31397TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human SRGN with N terminal proprietary tag; Predicted MW 43.49kDa.
Species	Human
Source	Wheat Germ
ProteinLength	158 amino acids
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.
Molecular Weight	43.490kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MMQKLLKCSRLVLALALILVLESSVQGYPTQRARYQWVRC NPDSNSANCLEEKGP MFELLPGESNKIPRLRDLFPKTRI QDLNRIFPLSEYSGSGFGSGSGSGSGSGF LTEMEQDY QLVDSDAFHDNLRSLDRNLPSDSQDLGQHGLEEDFML
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
Uniprot ID	P10124
Chromosome Location	10q22.1

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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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