Recombinant Human SRGN

Cat. No. SRGN-31460TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human SRGN with N terminal proprietary tag; Predicted MW 32.89kDa.
Species	Human
Source	Wheat Germ
ProteinLength	66 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	32.890kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

Tel: 1-631-559-9269 1-516-512-3133
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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	PTRRARYQWVRCNPDSNSANCLEEKGPMFELLPGESNKIPRLRTDLFPKTRIQDLNRIFPLSEDYS
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
Pathway	Hemostasis, organism-specific biosystem; Platelet activation, signaling and

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	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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