

Recombinant Human SRGN Protein, His-tagged

Cat. No. SRGN-2734H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SRGN Protein (Tyr28-Leu158) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Tyr28-Leu158
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 18.4 kDa Accurate Molecular Mass: 22 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 95%

 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

Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	SRGN serglycin [Homo sapiens (human)]
Official Symbol	SRGN
Synonyms	SRGN; serglycin; PRG, PRG1, proteoglycan 1, secretory granule; PPG; serglycin proteoglycan; p.PG; proteoglycan 1, secretory granule; platelet proteoglycan core protein; hematopoietic proteoglycan core peptide; hematopoietic proteoglycan core protein; secretory granule proteoglycan core peptide; secretory granule proteoglycan core protein; proteoglycan protein core for mast cell secretory granule; PRG; PRG1; MGC9289; FLJ12930;
Gene ID	5552

 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

mRNA Refseq	NM_002727
Protein Refseq	NP_002718
MIM	177040
UniProt ID	P10124

 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