

Recombinant human Serglycin/SRGN protein

Catalog Number: ATGP1242

PRODUCT INFORMATION

Expression system

E.coli

Domain

28-158aa

UniProt No.

P10124

NCBI Accession No.

NP_002718

Alternative Names

Serglycin precursor, FLJ12930, MGC9289, PPG, PRG, PRG1

PRODUCT SPECIFICATION

Molecular Weight

17.4 kDa (156aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 0.15M NaCl.

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

SRGN is 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 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. Recombinant human SRGN protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional

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chromatography techniques.

Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSHPYPTRR ARYQWVRCNP DSNSANCLLEE KGPMFELLPG ESNKIPRLRT DLFPKTRIQD
LNRIFPLSED YSGSGFGSGS GSGSGSGSGF LTEMEDYQL VDESDFHDN LRSLDRNLPS DSQDLGQHGL EEDFML

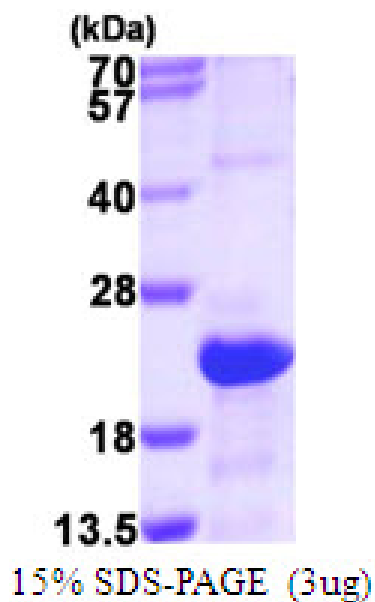
General References

Niemann Cu., et al. (2004) J Leukoc Biol. 76(2):406-15.

Raja SM., et al. (2000) J Biol Chem. 277(51):49523-30.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.