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SERPINB8 Human

Serpin Peptidase Inhibitor, Clade B Member 8 Human Recombinant
RCP2050

Product Overview

Name	SERPINB8 Human

Description

Serpin Peptidase Inhibitor, Clade B Member 8 Human Recombinant

Accession (Primary)	P50452

Synonyms

CAP2, PI8, Serpin B8, Cytoplasmic antiproteinase 2, Peptidase inhibitor 8, CAP-2.

Introduction

Serpin Peptidase Inhibitor, Clade B Member 8 (SERPINB8) belongs to the ov-serpin subfamily, which, compared with the archetypal serpin PI1, is characterized by a high degree of homology to chicken ovalbumin, absence of N- and C-terminal extensions, lack of a signal peptide, and a serine instead of an asparagine residue at the penultimate position. The superfamily of high molecular weight serine proteinase inhibitors (serpins) control various intracellular and extracellular processes such as complement activation, fibrinolysis, coagulation, cellular differentiation, tumor suppression, apoptosis, and cell migration.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

SERPINB8 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 30% glycerol and 1mM DTT.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS MDDLCEA NGTFAISLFK ILGEEDNSRN VFFSPMSISS ALAMVFMGAK GSTAAQMSQA LCLYKDGDIH RGFQSLLSEV NRTGTQYLLR TANRLFGEKT CDFLPDFKEY CQKFYQAELE

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ELSFAEDTEE CRKHINDWVA EKTEGKISEV LDAGTVDPLT KLVLVNAIYF KGKWNEQFDR KYTRGMLFKT NEEKKTVQMM FKEAKFKMGY ADEVHTQVLE LPYVEEELSM VILLPDDNTD LAVVEKALTY EKFKAWTNSE KLTKSKVQVF LPRLKLEESY DLEPFLRRLG MIDAFDEAKA DFSGMSTEKN VPLSKVAHKC FVEVNEEGTE AAAATAVVRN SRCSRMEPRF CADHPFLFFI RHHKTNCILF CGRFSSP.

Precautions

SERPINB8 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P50452)