Recombinant Human Serpin B3

Catalog No: CM24

Description

Recombinant Human Serine Protease Inhibitor-clade B3 is produced by our E.coli expression system and the target gene encoding Met1-Pro390 is expressed with a 6His tag at the N-terminus.

Source

E.coli

Alternative name

Serpin B3; Protein T4-A; Squamous cell carcinoma antigen 1; SCCA-1;serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 3; serpin peptidase inhibitor, clade B (ovalbumin), member 3; Squamous cell carcinoma antigen 1; T4-A;SCCA1

Accession No.

P29508

Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4.

Reconstitution

Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100μg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Quality Control

Purity: Greater than 90% as determined by reducing SDS-PAGE.
Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

Shipping

The product is shipped at ambient temperature.
Upon receipt, store it immediately at the temperature listed below.

Storage

Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.
Reconstituted protein solution can be stored at 4-7°C for 2-7 days.
Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Background

Serpin B3, also known as squamous cell carcinoma antigen-1 (SCCA-1), is a member of the serpin superfamily of serine protease inhibitors. Serpin B3 belongs to the subgroup ovalbumin-related serpins which are involved in the regulation of apoptosis, inflammation, angiogenesis and embryogenesis. It may act as a papain-like cysteine protease inhibitor to modulate the host immune response against tumor cells. It also functions as an inhibitor of UV-induced apoptosis via suppression of the activity of c-Jun NH(2)-terminal kinase (JNK1).

SDS-Page