



Recombinant Protein Technical Manual

Recombinant Human SerpinB3/SCCA1 Protein (E. coli, His Tag)

RPES4637

Product Data:

Product SKU: RPES4637

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P29508

Protein Information:

Molecular Mass: 46.0 kDa

AP Molecular Mass: 40-55 kDa

Tag: N-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

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

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Serpin B3; Protein T4-A; Squamous cell carcinoma antigen 1; SCCA;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;HsT1196;SCC;SCCA;SCCA-PD

Immunogen Information:

Sequence: Met 1-Pro390

Background:

Serpin B3, also known as squamous cell carcinoma antigen (SCCA), 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).