

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



Catalog Number:PKSH033038

Note: Centrifuge before opening to ensure complete recovery of vial contents.

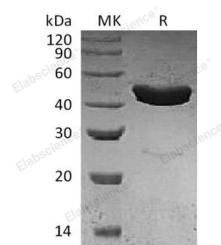
Description

| | |
|------------------------------------|---|
| Synonyms | Serpine 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;HsT1196;SCC;SCCA-1;SCCA-PD |
| Species | Human |
| Expression Host | E.coli |
| Sequence | Met 1-Pro390 |
| Accession | P29508 |
| Calculated Molecular Weight | 46.0 kDa |
| Observed molecular weight | 40-55 kDa |
| Tag | N-His |

Properties

| | |
|-----------------------|---|
| Purity | > 95 % as determined by reducing SDS-PAGE. |
| Endotoxin | < 1.0 EU per µg of the protein as determined by the LAL method. |
| Storage | Generally, 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, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual. |
| Reconstitution | Please refer to the printed manual for detailed information. |

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Serpine 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).

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