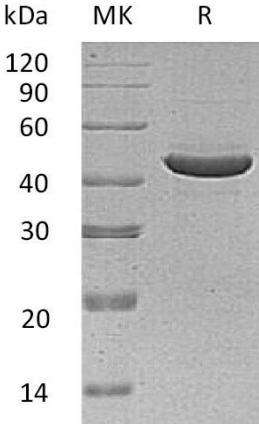


Recombinant Human Serpin B3

Catalog#:P02061 Derived from Human Cells

DESCRIPTION	<p>Recombinant Human Serine Protease Inhibitor-clade B3 is produced by our Mammalian expression system and the target gene encoding Met1-Pro390 is expressed with a 6His tag at the C-terminus.</p> <p>Accession#: P29508</p> <p>Known as: 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</p>
FORMULATION	Lyophilized from a 0.2 μ m filtered solution of 20mM PB, 0.02% Tween80,4% Mannitol, pH 7.4.
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 $\leq -20^{\circ}\text{C}$, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8 $^{\circ}\text{C}$ for 2-7 days. Aliquots of reconstituted samples are stable at $\leq -20^{\circ}\text{C}$ for 3 months.
RECONSTITUTION	<i>Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100$\mu\text{g}/\text{ml}$.</i> Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
QUALITY CONTROL	Mol Mass: 45.96kDa AP Mol Mass: 41-50kDa, reducing conditions. Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1ng/ μg (1 EU/ μg) as determined by LAL test.
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).
 <p>SDS-PAGE</p>	