

Product datasheet for **TP724657**

SERPINB3 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Serpin B3/SCCA-1 (C-Avi&His)
Species:	Human
Expression cDNA Clone or AA Sequence:	M1-P390
Tag:	C-Avi&6His
Buffer:	Lyophilized from a 0.2 um filtered solution of 2umM Na ₂ HPO ₄ , 2umM NaH ₂ PO ₄ , pH7.4
Note:	Recombinant Human Serpin B3 is produced by E.coli. The target gene encoding M1-P390 is expressed with a Avi&6His tag at the C terminus.
Stability:	12 months from date of despatch
Locus ID:	6317
UniProt ID:	P29508
Summary:	Serpin B3, also known as squamous cell carcinoma antigen-1 (SCCA-1), is a member of the serpin superfamily of serine protease inhibitors. Serpins are known to inhibit serine proteases and some can inhibit caspases and papain-like cysteine proteases. Serpin B3 is also a member of the subgroup ovalbumin-related serpins which takes part in the regulation of apoptosis, inflammation, angiogenesis and embryogenesis. Serpin B3 is also a tumor marker for squamous cell carcinomas in diverse areas including the cervix, head, neck and lung. Different from typical serpins, serpin B3 inhibits papain-like lysosomal cysteine proteases Cathepsin K, L, and S, while lacking inhibitory activity against serine proteases



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