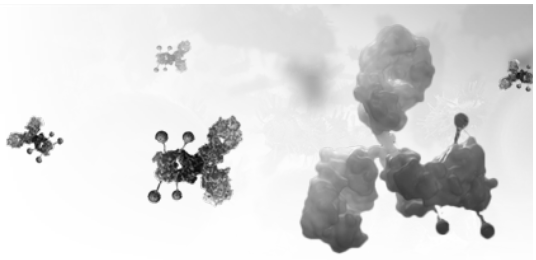

Recombinant Squamous Cell Carcinoma Antigen 1 Protein (a.a.1-390) [GST] (DAGC036)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Squamous Cell Carcinoma Antigen 1 Recombinant Protein with N-terminal GST-tag.
Species	Human
Purity	> 90 % as determined by SDS-PAGE.
Conjugate	GST
Applications	SDS-PAGE
Molecular Weight	71 kDa
Stability	The recombinant protein is stable for up to 6-12 months from date of receipt at -20°C to -80°C.
Format	Lyophilized
Concentration	1 mg/mL (lot specific)
Size	0.1 mg, 0.5 mg, 1 mg
Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose
Preservative	Proclin300
Storage	Storage: Store it under sterile conditions at -20°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

BACKGROUND

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Introduction	Squamous cell carcinoma antigen (SCCA), a member of the serine protease inhibitor (serpin) family, is a subfraction of the tumor associated antigen TA-4, is a glycoprotein, with a molecular weight between 42 to 48 kDa. Total SCCA in the circulation comprises 2 nearly identical, approximately 45 kDa proteins, SCCA1 and SCCA2. Both proteins are members of the high-molecular weight serine proteinase inhibitor (serpin) family with SCCA1 paradoxically inhibiting lysosomal cysteine proteinases and SCCA2 inhibiting chymotrypsin-like serine proteinases. Although SCCA1 and SCCA2 are detected in the cytoplasm of normal squamous epithelial cells, neither serpin is detected normally in the serum.
Keywords	SERPINB3; HsT1196; SCC; SCCA-1; SCCA-PD; T4-A; Serpin Peptidase Inhibitor; Clade B(ovalbumin); Member 3; Serpin B3

GENE INFORMATION

Protein Refseq	MNSLSEANTK FMFDLFQQFR KSKENNIFYS PISITSALGM VLLGAKDNTA QQIKKVLHFD QVTENTTGKA ATYHVDRSGN VHHQFQKLLT EFNKSTDAYE LKIANKLFGE KTYLFLQEYL DAIKKFYQTS VESVDFANAP EESRKKINSW VESQTNEKIK NLIPEGNIGS NTTLVLVNAI YFKGQWEKKF NKEDTKEEKF WPNKNTYKSI QMMRQYTSFH FASLEDVQAK VLEIPYKGKD LSMIVLLPNE IDGLQKLEEK LTAEKLMEWT SLQNMRETRV DLHLPRFKVE ESYDLKDTLR TMGMVDIFNG DADLSGMTGS RGLVLSGVLH KAFVEVTEEG AEAAAATAVV GFGSSPTSTN EEFHCNHPFL FFIRQNKTNS ILFYGRFSSP

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