



Recombinant Squamous Cell Carcinoma Antigen 2 Protein (a.a.144-298) [His] (DAGC037)

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

PRODUCT INFORMATION

Product Overview	Recombinant SCCA2 Protein (Arg144-Thr298) with the N-terminal His-tag, MW = 22.1 kDa, expressed in an E. coli cell expression system.
Species	Human
Purity	> 95%
Conjugate	His
Applications	SDS-PAGE, WB, ELISA, IP, CoIP
Molecular Weight	22.1kDa
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Format	Lyophilized
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	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

BACKGROUND

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 SERPINB4; PI11; SPB4; Leupin; Peptidase Inhibitor 11; SCCA2; SCC

GENE INFORMATION

Protein Refseq RKKINSWVESQTNEKIKNLFPDGTIGNDTTLVLVNAIYFGQWENKFKKENTKEEKFWPNKNTYKSVQMMR