Recombinant Human SCCA2

Cat. No. SCCA2-70H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Squamous Cell Carcinoma Antigen 2 was expressed in E. coli.
Species	Human
Source	E.coli
Description	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. SCCA2 is a serological marker for squamous cell carcinomas (SCC). Elevated serum levels are correlated with the clinical stage of the disease.Schneider et al. demonstrated that 18q21.3 contains a cluster of serine proteinase inhibitors, or serpins, including a tandem duplication of the squamous cell carcinoma antigen (SCCA) gene and 2 other members of the ovalbumin family of serine proteinase inhibitors, plasminogen activator inhibitor type 2 and maspin (protease inhibitor-5). Schneider et al. presented evidence that the neutral and acidic forms of SCCA are encoded by SCCA1 and SCCA2, respectively.
Form	The protein solution is in 0.05M phosphate buffer containing 0.15M NaCl and 0.09% NaN3 pH 7.5. Filtered through a 0.4μM membrane.
Molecular Mass	9.3kDa
Endotoxin	< 1.0 eu per μg of the protein as determined by the LAL method.

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Purity	>95 % as determined by SDS-PAGE
Applications	Western blotting, ELISA
Storage	Store it under sterile conditions at -20℃ to -121℃ upon receiving.Recommend to aliquot the protein into smaller quantities for optimal storage.

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