Datasheet for ABIN1880440

MA2246 Protein

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Overview

Quantity:	100 µg
Target:	MA2246
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purity:	> 95 % by SDS-PAGE

Target Details

Target:	MA2246
Alternative Name:	Squamous Cell Carcinoma Antigen (MA2246 Products)
Background:	Squamous cell carcinoma antigen (SCCA) is a member of the ovalbumin family of serine proteinase inhibitors (serpins). SCCA is detected in the superficial and intermediate layers of normal squamous epithelium, whereas the mRNA is detected in the basal and subbasal levels. A neutral form of the protein (SCCA1, or SERPINB3) is found in normal and some malignant squamous cells, whereas an acidic form (SCCA2, or SERPINB4) is detected exclusively in tumor cells and in the circulation of patients with squamous cell tumors. SCCA1 shares 92 % amino acid identity with SCCA2. Thus, the appearance of the acidic fraction of SCCA is correlated with more aggressive tumors. Ray et al. (2005) proposed that IL-4- and IL-13-stimulated SCCA gene expression is mediated via STAT-1 and STAT-6 activation, and by suppressing the production, and most likely by interfering with the signaling of these cytokines, UG inhibits SCCA gene

Target Details

	expression associated with airway inflammation in asthma.
Molecular Weight:	48 kDa

Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Tris-HCl (pH 7.4 +/- 0.2) with 0.02 % NaN3.
Preservative:	Sodium azide
Precaution of Use:	WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.
Storage:	4 °C