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## Datasheet for ABIN7092733 SLC7A11 Protein (Fc Tag)

### Overview

Quantity:	100 µg
Target:	SLC7A11
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC7A11 protein is labelled with Fc Tag.

### Product Details

Purpose:	Recombinant Human SLC7A11 Protein with C-terminal human Fc tag
Specificity:	SLC7A11 (Lys67-Gly74) (Leu151-Cys158) (Lys215-Thr233) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	affinity purification
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

### Target Details

Target:	SLC7A11
Alternative Name:	SLC7A11 ( <a href="#">SLC7A11 Products</a> )
Background:	Synonyms: CCBR1, xCT Description: This gene encodes a member of a heteromeric, sodium-independent, anionic amino acid transport system that is highly specific for cysteine and glutamate. In this system,

## Target Details

designated Xc(-), the anionic form of cysteine is transported in exchange for glutamate. This protein has been identified as the predominant mediator of Kaposi sarcoma-associated herpesvirus fusion and entry permissiveness into cells. Also, increased expression of this gene in primary gliomas (compared to normal brain tissue) was associated with increased glutamate secretion via the XCT channels, resulting in neuronal cell death. [provided by RefSeq, Sep 2011]

Molecular Weight: predicted molecular mass of 33.4 kDa after removal of the signal peptide. The apparent molecular mass of SLC7A11-hFc is 35-55 kDa due to glycosylation.

UniProt: [Q9UPY5](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Reconstitute with deionized water

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).  
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months