

## **PRODUCT INFORMATION**

SLC7A11 **Target Synonyms** CCBR1;xCT

Recombinant Human SLC7A11 Protein with C-Description

terminal human Fc tag

**Delivery** In Stock **Uniprot ID** Q9UPY5 **Expression Host HEK293** 

Tag C-Human Fc Tag

SLC7A11(Lys67-Gly74) (Leu151-Cys158) (Lys215-Thr233) (Thr219-Leu317) (Asp386-Ser387) Molecular

Characterization

(Ser445-Pro447) hFc(Glu99-Ala330)

The protein has a predicted molecular mass of 33.4 kDa after removal of the signal peptide. The apparent molecular mass of SLC7A11-hFc is **Molecular Weight** 

approximately 35-55 kDa due to glycosylation. The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

**Purity** 

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before Formulation & lyophilization. Please see Certificate of Analysis Reconstitution

for specific instructions of reconstitution. 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). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

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,

designated Xc(-), the anionic form of cysteine is transported in exchange for glutamate. This protein has been identified as the predominant

**Background** 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

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2011]

Usage Research use only





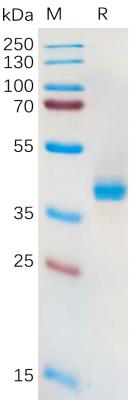
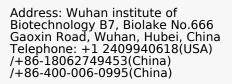


Figure 1. Human SLC7A11 Protein, hFc Tag on SDS-PAGE under reducing condition.



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