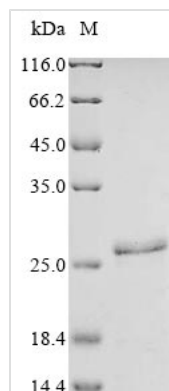




# Recombinant Human Large neutral amino acids transporter small subunit 1 (SLC7A5), partial

<b>Product Code</b>	CSB-EP021717HU
<b>Abbreviation</b>	Recombinant Human SLC7A5 protein, partial
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q01650
<b>Form</b>	Liquid or Lyophilized powder
<b>Storage Buffer</b>	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	AEEKEEAREKMLAAKSADGSAPAGEGEGVTLQRNI
<b>Research Area</b>	Signal Transduction
<b>Source</b>	E.coli
<b>Target Names</b>	SLC7A5
<b>Expression Region</b>	16-50aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 10xHis-SUMO-tagged and C-terminal Myc-tagged
<b>Mol. Weight</b>	19.7 kDa
<b>Protein Length</b>	Partial

## Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



## Description

To achieve the expression of the recombinant Human SLC7A5 protein in e.coli cells, a DNA fragment encoding the Human SLC7A5 protein (16-50aa) is inserted into a plasmid vector, which is then transferred to e.coli cells. After screening positive cells, they are cultured and induced to create the SLC7A5 protein. The protein features a N-terminal 10xHis-SUMO tag and C-terminal Myc tag fusion. The recombinant Human SLC7A5 protein is purified from the cell lysate through affinity purification. The purity of the obtained recombinant Human SLC7A5 protein is greater than 90%, measured by SDS-PAGE.

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.