

## Recombinant Mouse SLC3A2 cell lysate

**Cat. No.** SLC3A2-1772MCL    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Mouse SLC3A2 derived in Human Cells. The whole cell lysate is provided in 1X Sample Buffer. Browse all transfected cell lysate positive controls
<b>Species</b>	Mouse
<b>Source</b>	Human Cells
<b>Preparation method</b>	Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer with cocktail of protease inhibitors. Cell debris was removed by centrifugation and then centrifuged to clarify the lysate. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized.
<b>Lysis buffer</b>	Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
<b>Quality control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue
<b>Recommended Usage</b>	1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube. 2. Re-dissolve the pellet using 200µL pure water and boiled for 2-5 min. 3. Store it at -80°C. Recommend to aliquot the cell lysate into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles. Notes: The lysate is ready to load on SDS-PAGE for Western blot application. If dissociating conditions are required, add

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	reducing agent prior to heating.
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -80°C
<b>Storage Buffer</b>	50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
<b>Storage Instruction</b>	Lysate samples are stable for 12 months from date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	Slc3a2 solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2 [ <i>Mus musculus</i> ]
<b>Official Symbol</b>	SLC3A2
<b>Synonyms</b>	SLC3A2; solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2; 4F2 cell-surface antigen heavy chain; CD98 antigen; CD98 heavy chain; type II transmembrane protein; antigen identified by monoclonal antibodies 4F2; 4F2; Cd98; Ly10; Mdu1; 4F2HC; Ly-10; NACAE; Ly-m10; Mgp-2hc; AI314110;
<b>Gene ID</b>	17254
<b>mRNA Refseq</b>	NM_001161413
<b>Protein Refseq</b>	NP_001154885
<b>Pathway</b>	Amino acid transport across the plasma membrane, organism-specific biosystem;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



Basigin interactions, organism-specific biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; Hemostasis, organism-specific biosystem; Protein digestion and absorption, organism-specific biosystem; Protein digestion and absorption, conserved biosystem; SLC-mediated transmembrane transport, organism-specific biosystem;

**Function**

catalytic activity; cation binding; neutral amino acid transmembrane transporter activity; protein binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA