

Recombinant Human SLC7A2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SLC7A2-1270H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SLC7A2 MS Standard C13 and N15-labeled recombinant protein (NP_001008539) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a cationic amino acid transporter and a member of the APC (amino acid-polyamine-organocation) family of transporters. The encoded membrane protein is responsible for the cellular uptake of arginine, lysine and ornithine. Three transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	71.5 kDa
AA Sequence	MIPCRAALTFARCLIRRKIVTLDSEDTKLCRCLSTMDLIALGVGSTLGAGVYVLAGEV AKADSGPSIVVSFLIAALASVMAGLCYAEFGARVPKTGSAYLYTYVTVGELWAFITG WNLILSYVIGTSSVARAWSGTFDELLSKQIGQFLRTYFRMNYTGLAEYPDFFAVCLIL LLAGLLSFGVKESAWVNKVFTAVNILVLLFVMVAGFVKGNVANWKISEEFLKNISASA REPPSENGTSIYGAGGFMPYGFTGTLAGAATCFYAFVGFDCIATTGEEVRNPQKAIP IGIVTSLLVCFMAYFGVSAALTLMPYYLLDEKSPLPVAFEYVGWGPAPKYVVAAGSL CALSTSLLGSIFPMPRVIYAMAEDGLLFKCLAQINSKTKTPIIATLSSGAVAALMAFLFD LKALVDMMSIGTLMAYSLVAACVLILRYQPGLSYDQPKCSPEKDGLGSSPRVTSKSE

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

SQVTMLQRQGFSMRTLFCPSLLPTQQSASLVSFLVGFLAFLVLGLSVLTITYGVHAIT
 RLEAWSLALLALFLVLFVAIVLTIWRQPQNQQKVAFMVPFLPFLPAFSILVNIYLMVQL
 SADTWVRFISIWMAIGFLIYFSYGIRHSLEGHLRDENNEEDAYPDNVHAAAEKSAIQ
 ANDHHPRNLSSPFIFHEKTSEFTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name SLC7A2 solute carrier family 7 member 2 [Homo sapiens (human)]

Official Symbol SLC7A2

Synonyms SLC7A2; solute carrier family 7 (cationic amino acid transporter, y+ system), member 2; ATRC2; low affinity cationic amino acid transporter 2; CAT 2; HCAT2; CAT2;

Gene ID 6542

mRNA Refseq NM_001008539

Protein Refseq NP_001008539

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

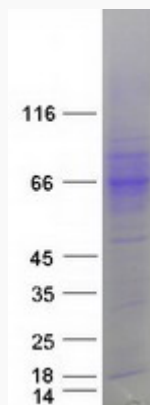
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

MIM 601872

UniProt ID P52569

SDS-PAGE



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

Email: info@creative-biomart.com Fax: 1-631-938-8127

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