

## Product datasheet for PH310214

### SLC7A2 (NM\_001008539) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	SLC7A2 MS Standard C13 and N15-labeled recombinant protein (NP_001008539)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210214
Predicted MW:	71.5 kDa
Protein Sequence:	>RC210214 representing NM_001008539 Red=Cloning site Green=Tags(s)

MIPCRALTFARCLIRRKIVTLDSLEDTKLCRCLSTMDLIALGVGSTLGAGVYVLAGEVAKADSGPSIVV  
SFLIAALASVMAGLCYAEFGARVPKTGSAYLYTYVTGELWAFITGWNLILSYVIGTSSVARAWSGTFFDE  
LLSKQIGQFLRTYFRMNYTGLAEYPDFFAVCLILLLAGLLSFGVKESAWVNKVFTAVNILVLLFVMVAGF  
VKGNVANWKISEEFLKNISASAREPPSENGTSIYGAGGFMPYGFGTLAGAATCFYAFVGFDCIATTGEE  
VRNPQKAIPIGIVTSLLVCFMAYFGVSAALTLMPYYLLDEKSPLPVAFEYVVGWGPAYVVAAGSLCALS  
TSLLGSIFFMPRIYAMAEDGLLFKCLAQINSKTKTPIIATLSSGAVAALMAFLFDLKALVDMMSIGTLM  
AYSLVAACVILIRYQPLSYDQPKCSPEKDGLGSSPRVTSKSESQVTMLQRQGFSMRTLFCPSLLPTQQS  
ASLVSFLVGFALFLVGLSVLTTYGVHAI TRLEAWSLALLALFLVLFVAIVLTIWRQPQNQQKVAFMVFP  
LPFLPAFSILVNIYLMVQLSADTWVRF SIWMAIGFLIYFSYGIHRSLEGHLRDENNEEDAYPDNVHAAAE  
EKSAIQANDHHPRLSSPFIFHEKTSEF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_001008539</a>
RefSeq Size:	7389



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RefSeq ORF: 1974

Synonyms: ATRC2; CAT2; HCAT2

Locus ID: 6542

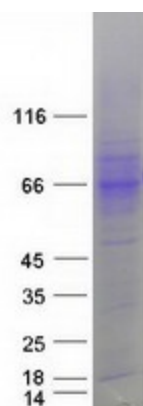
UniProt ID: [P52569](#)

Cytogenetics: 8p22

**Summary:** 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. [provided by RefSeq, Oct 2011]

**Protein Families:** Druggable Genome, Transmembrane

### Product images:



Coomassie blue staining of purified SLC7A2 protein (Cat# [TP310214]). The protein was produced from HEK293T cells transfected with SLC7A2 cDNA clone (Cat# [RC210214]) using MegaTran 2.0 (Cat# [TT210002]).