

## Product datasheet for **TP310214M**

### SLC7A2 (NM\_001008539) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens solute carrier family 7 (cationic amino acid transporter, y+ system), member 2 (SLC7A2), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210214 representing NM_001008539 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MIPCRAALTFARCLIRRKIVTLDLSLEDTKLCRCLSTMDLIALGVGSTLGAGVYVLAGEVAKADSGPSIVV SFLIAALASVMAGLCYAEFGARVPKTSAYLYTYVTVGELWAFITGWNLILSYVIGTSSVARAWSGTDFE LLSKQIGQFLRTRYFRMNYTGLAEYPDFFAVCLILLLAGLLSFGVKESAWVNKVFTAVNILVLLFVMVAGF VKGNVANWKISEEFLKNISASAREPPSENGTSIYGAGGFMPYGFGTGLAGAATCFYAFVGFDCIATTGEE VRNPQKAIPIGIVTSLVCFMAYFGVSAALTMMPYLLDEKSPLPVAFEYVGWGPAYVVAAGSLCALS TSLLGSIFPMPRVIYAMAEDGLLFKCLAQINSKTKPIIATLSSGAVAALMAFLFDLKALVDMMSIGTLM AYSLVAACVLILRYQPGLSYDQPKCSPEKDGLGSSPRVTSKSESQVTMLQRQGFSMRTLFCPSLLPTQQS ASLVSFLVGLAFLVLGLSVLTTYGVHAI TRLEAWSLALLALFLVLFVAIVLTIWRQPQNQQKVAFMVFP LPFLPAFSILVNIYLMVQLSADTWVRFISIWMAIGFLIYFSYGIRHSLEGLHRDENNEEDAYPDNVHAAAE EKSAIQANDHHPRNLSSPFIFHEKTSEF</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	71.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_001008539](#)

**Locus ID:** 6542

**UniProt ID:** [P52569](#)

**RefSeq Size:** 7389

**Cytogenetics:** 8p22

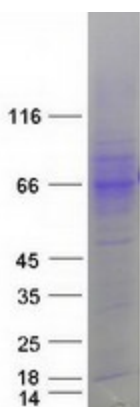
**RefSeq ORF:** 1974

**Synonyms:** ATRC2; CAT2; HCAT2

**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]).