

Product datasheet for TP516003

Slc7a2 (NM_007514) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse solute carrier family 7 (cationic amino acid transporter, y+ system), member 2 (Slc7a2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR216003 representing NM_007514 Red =Cloning site Green =Tags(s)
	MIPCRAVLTFARCLIRRKIVTLDLSLEDSKLCRCLTTVDLIALGVGSTLGAGVYVLAGEVAKADSGPSIV SFLIAALASVMAGLCYAEFGARVPKTGSAYLYTYVTVGELWAFITGWNLILSYVIGTSSVARAWSGTFDE LLNKQIQQFFKTYFKMNYTGLAEYPPDFFAVCLVLLLAGLLSFGVKESAWNKKFFTAINILVLLFVMVAGF VKGNVANWKISEEFLKNISASAREPPSENGTSIYGAGGFMPYGFTGLAGAATCFYAFVGFDCIATTGEE VRNPQKAIPIGIVTSLVCFMAYFGVSAALTMMPYLLDEKSPLPVAFEYVRWSPAKYVVSAGSLCAL TSLGSMFPLPRILFAMARDGLLFRFLARVSKRQSPVAATMTAGVISAVMAFLFDLKALVDMMSIGTLM YSLVAACVLILRYQPGLCYDQPKYTPKETLESCTNATLKSESQVTMLQGQGFSLRTLFSALPTRQSA SLVSFLVGFLAFLILGLSILTTYGVQAIARLEAWSLALLALFLVLCVAVILTIWRQPQNQQKVAFMVPFL PFLPAFSILVNIYLMVQLSADTWIRFSIWMALGFLIYFAYGIRHSLEGNPRDEEDEDFAFSDNINAATEE KSAMQANDHHQRNLSLPPFILHEKTSEC
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	72.3 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
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 after receiving vials.



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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_031540
Locus ID:	11988
UniProt ID:	P18581
RefSeq Size:	7731
Cytogenetics:	8 23.89 cM
RefSeq ORF:	1971
Synonyms:	20.5; AI158848; Atrc2; CAT-2; Cat2; Tea
Summary:	Isoform 1 functions as low-affinity, high capacity permease involved in the transport of the cationic amino acids (arginine, lysine and ornithine). Isoform 2 also functions as permease that mediates the transport of the cationic amino acids (arginine, lysine and ornithine), but it has much higher affinity for arginine than isoform 1. May play a role in classical or alternative activation of macrophages via its role in arginine transport.[UniProtKB/Swiss-Prot Function]