

## Product datasheet for TP518415

### Slc7a1 (NM\_007513) 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 1 (Slc7a1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR218415 protein sequence Red=Cloning site Green=Tags(s)

MGCKNLLGLGQQMLRRKVVDCSREESRLSRLCLNTYDLVALGVGSTLGAGVYVLAGAVARENAGPAIVISF  
LIAALASVLAGLCYGEFGARVPKTGSAYLYSYVTVGELWAFITGWNILSYIIGTSSVARAWSATFDELI  
GKPIGEFSRQHMALNAPGVLAQTPDIFAVIIIILTGLLTLGVKESAMVNKIFTCINVLVLCFIVVSGFV  
KGSIKNWQLTEKNFSCNNNDTNVKYGEFFMPFGFSGVLGAATCFYAFVGFDCIATTGEEVKNPQKAIP  
VGIVASLLICFIAYFGVSAALTLMPYFCLDIDSPLPGAFKHQGWEEAKYAVAIGSLCALSTSLGSMFP  
MPRVYAMAEDGLLFKFLAKINNRTKTPVIATVTSGAIAAVMAFLFELKDLVLDMSIGTLLAYSLVAACV  
LVLRYQPEQPNLVYQMARTTEELDRVDQNELVSASESQTGFLPVAEKFSLSILSPKNVEPSKFSGLIVN  
ISAGLLAALIITVCIVAVLGREALAEGLTWAVFVMTGSVLLCMLVTGIIWRQPESKTKLSFKVPFVPLP  
VLSIFVNIYLMMLDQGTWVRFVWMLIGFTIYFGYGIWHSEEASLAAGQAKTPDSNLDQCK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	67.1 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.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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**RefSeq:** [NP\\_031539](#)

**Locus ID:** 11987

**UniProt ID:** [Q09143](#), [Q3UGD6](#)

**RefSeq Size:** 7195

**Cytogenetics:** 5 88.48 cM

**RefSeq ORF:** 1869

**Synonyms:** 4831426K01Rik; AI447493; Atrc-1; Atrc1; Cat1; mCAT-1; Rec-1; Rev-1

**Summary:** High-affinity, low capacity permease involved in the transport of the cationic amino acids (arginine, lysine and ornithine) in non-hepatic tissues.[UniProtKB/Swiss-Prot Function]