

Product datasheet for **TP309263L**

CAT1 (SLC7A1) (NM_003045) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human solute carrier family 7 (cationic amino acid transporter, y+ system), member 1 (SLC7A1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209263 protein sequence Red =Cloning site Green =Tags(s)

MGCKVLLNIGQQMLRRKVVDCSREETRLSRCLNTFDLVALGVGSTLGAGVYVLGAVARENAGPAIVISF
LIAALASVLAGLCYGEFGARVPKTGSAYLYSYVTVGELWAFITGWNLILSYIIGTSSVARAWSATFDELI
GRPIGEFSRTHMTLNAPGVLAENPDIFAVIIILITGLLLGVKESAMVNIKFTCINVLVLGFIMVSGFV
KGSVKNWQLTEEDFGNTSGRLCLNNDTKEGKPGVGGFMPFGFSGVLSGAATCFYAFVGFDCIATTGEEVK
NPQKAIPVGIVASLLICFIAYFGVSAALTLMMMPYFCLDNNPLPDAFKHVGWEGAKYAVAVGSLCALSAS
LLGSMFMPRVIYAMAEDGLLFKFLANVNDRTKPIIATLASGAVAAVMAFLFDLKDLDLMSIGTLLAY
SLVAACVLVLRYPQEPNLVYQMASTDELDPADQNELASTNDSQLGFLPEAEMFSLKTIKSPKNMEPSK
ISGLIVNISTSLIAVLIITFCIVTVLGREALTKGALWAVFLLAGSALLCAVVTGVIWRQPESKTKLSFKV
PFLPVLPILSIFVNVYLMMLDQGTWVRFVWMLIGFIIYFGYGLWHSEEASLDADQARTPDGNLDQCK

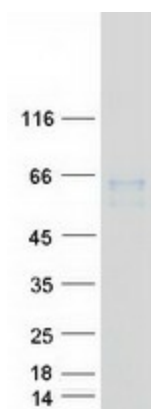
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	67.5 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_003036
Locus ID:	6541
UniProt ID:	P30825 , A0A024RDQ9
RefSeq Size:	7357
Cytogenetics:	13q12.3
RefSeq ORF:	1887
Synonyms:	ATRC1; CAT-1; ERR; HCAT1; REC1L
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]
Protein Families:	Druggable Genome, Transmembrane

Product images:

Coomassie blue staining of purified SLC7A1 protein (Cat# [TP309263]). The protein was produced from HEK293T cells transfected with SLC7A1 cDNA clone (Cat# [RC209263]) using MegaTran 2.0 (Cat# [TT210002]).