

Product datasheet for TP305049

SLC3A1 (NM_000341) Human Recombinant Protein

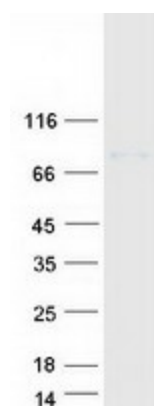
Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human solute carrier family 3 (cystine, dibasic and neutral amino acid transporters, activator of cystine, dibasic and neutral amino acid transport), member 1 (SLC3A, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205049 representing NM_000341 Red =Cloning site Green =Tags(s)
	<p>MAEDKSKRDSIEMSMKGCQTNNGFVHNEDILEQTPDPGSSTDNLKHSTRGILGSQEPDFKGVQPYAGMPK EVLQFQSGQARYRIPREILFWLTVASVLVIAATAIIALSPKCLDWWQEGPMYQIYPRSFKDSNKDGNG DLKGIQDKLDYITALNIKTWITSFYKSSLKDFRYGVEDFREVDPIFGTMEDFENLVAAIHDKGLKLIID FIPNHTSDKHIWFQLSRTRTGKYTDYIWHDCSTHENGKTIPPNNWLSVYGNSSWHFDEVNRNQCYPFHQFMK EQPDLNFRNPDVQEEIKEILRFWLTKGVDGFSLDAVKFLEAKHLRDEIQVNTQIPDVTVTQYSELYHDF TTTQVGMHDIRSFRQTMQDYSTEPGRYRFMGTEAYAESIDRTVMYGLPFIQEADFPFNLYSMLD TVS GNSVYEVITSWMENMPEGKWPNWMI GGPDSRSLTSLRGNQYVNVNMNMLLFTLPGTPITYGEEIGMG NIV AANLNESYDINTLRSPMQWDNSSNAGFSEASNTWLPTNSDYHTVNVVDVQKTQPRSALKLYQDLSLLHA NELLLNRGWFCRLRNDSHYVYTRELDGIDRIFIVLNFGESTLLNLHNMISGLPAKIRIRLSTNSADKG SKVDTSIGIFLDKGEGLIFEHNTKNLLHRQTAFRDRCFVSNRACYSSVLNILYTSC</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	78.7 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.
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_000332
Locus ID:	6519
UniProt ID:	Q07837 , A0A0S2Z4E1
RefSeq Size:	2323
Cytogenetics:	2p21
RefSeq ORF:	2055
Synonyms:	ATR1; CSNU1; D2H; NBAT; RBAT
Summary:	This gene encodes a type II membrane glycoprotein which is one of the components of the renal amino acid transporter which transports neutral and basic amino acids in the renal tubule and intestinal tract. Mutations and deletions in this gene are associated with cystinuria. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome, Transmembrane

Product images:



Coomassie blue staining of purified SLC3A1 protein (Cat# TP305049). The protein was produced from HEK293T cells transfected with SLC3A1 cDNA clone (Cat# [RC205049]) using MegaTran 2.0 (Cat# [TT210002]).