

Product datasheet for TP305049M

OriGene Technologies, Inc.

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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,

100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone >RC205049 representing NM_000341 **or AA Sequence:** Red=Cloning site Green=Tags(s)

MAEDKSKRDSIEMSMKGCQTNNGFVHNEDILEQTPDPGSSTDNLKHSTRGILGSQEPDFKGVQPYAGMPK EVLFQFSGQARYRIPREILFWLTVASVLVLIAATIAIIALSPKCLDWWQEGPMYQIYPRSFKDSNKDGNG DLKGIQDKLDYITALNIKTVWITSFYKSSLKDFRYGVEDFREVDPIFGTMEDFENLVAAIHDKGLKLIID FIPNHTSDKHIWFQLSRTRTGKYTDYYIWHDCTHENGKTIPPNNWLSVYGNSSWHFDEVRNQCYFHQFMK EQPDLNFRNPDVQEEIKEILRFWLTKGVDGFSLDAVKFLLEAKHLRDEIQVNKTQIPDTVTQYSELYHDF TTTQVGMHDIVRSFRQTMDQYSTEPGRYRFMGTEAYAESIDRTVMYYGLPFIQEADFPFNNYLSMLDTVS GNSVYEVITSWMENMPEGKWPNWMIGGPDSSRLTSRLGNQYVNVMNMLLFTLPGTPITYYGEEIGMGNIV AANLNESYDINTLRSKSPMQWDNSSNAGFSEASNTWLPTNSDYHTVNVDVQKTQPRSALKLYQDLSLLHA NELLLNRGWFCHLRNDSHYVVYTRELDGIDRIFIVVLNFGESTLLNLHNMISGLPAKIRIRLSTNSADKG

SKVDTSGIFLDKGEGLIFEHNTKNLLHRQTAFRDRCFVSNRACYSSVLNILYTSC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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.



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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: <u>Q07837</u>, <u>A0A0S2Z4E1</u>

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

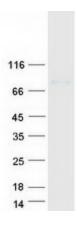
renal amino acid transporter which transports neutral and basic amino acids in the renal tubule

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]).