

Product datasheet for **TP318737M**

UROC1 (NM_144639) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human urocanase domain containing 1 (UROC1), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA >RC218737 protein sequence

Clone or AA **Red**=Cloning site **Green**=Tags(s)

Sequence:

MSSLQALCSGLPLRPLPENRGRQAGVPHAPVRTPSLSPVEKQLALRNALRYFPPDVQELLAPEFAQELQL
YGHYMYRFCPDIEMRAYPIEQYPCQTKVAAAIMHMIMNNLDPVAQFPQELVYGGNGQVFSNWAQFWL
TMFYLSKMTEEQLVMYSGHPLGLFPSSRSAPRLVITNGMVIPNYSSRTEYEKLFALGVTMYGQMTAGSY
CYIGPQGIVHGTVLTVLNAARRYLGIEDLAGKVFVTSGLGGMSGAAKAAVIVGCIGVIAEVDKAALEKR
HRQGWLM EVTDSLDRCIQRLREARKKKEVLSLGYHGNVVALWERLVHELDTTGECLVDLGSDQTSCHNPF
NGGYYPVQLSFTEAQLMASNPAVFKDLVQESLRRQVSAINRLAEEKFFFWDYGN AFLLEAQRAGADVEK
KGAGRTEFRYPSYVQHIMGDIFSQGFPGFRWVCTSGDPQDLAVTDELATSVLEEAIADGVKVSVKLQYMD
NIRWIREAARHLVVGSQARILYSDQKGRVAIAVAINQAIACRRIKAPVLSRDHHDVSGTDSPFRETSN
IYDGS AFCADMAVQNFVGDACRGATWVALHNGGGVGVGGEVINGGFLVLDGTPEAEGRARLMLSWDVSN
VARRCWSGNQKAYEIICTMQENSTLVVTLPHKVEDERVLQALQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 74.7 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.

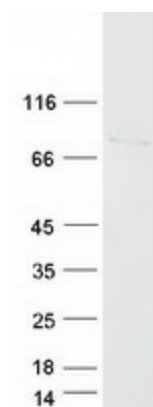
Storage: Store at -80°C.



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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:	<u>NP_653240</u>
Locus ID:	131669
UniProt ID:	<u>Q96N76</u>
RefSeq Size:	3280
Cytogenetics:	3q21.3
RefSeq ORF:	2028
Synonyms:	HMFN0320; UROCD
Summary:	This gene encodes an enzyme involved in the second step of histidine catabolism, metabolizing urocanic acid to formiminoglutamic acid. Deficiency of this enzyme results in urocanic aciduria, and is an apparent cause of mental retardation. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2021]
Protein Pathways:	Histidine metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified UROC1 protein (Cat# [TP318737]). The protein was produced from HEK293T cells transfected with UROC1 cDNA clone (Cat# [RC218737]) using MegaTran 2.0 (Cat# [TT210002]).