

Product datasheet for PH318737

UROC1 (NM_144639) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	UROC1 MS Standard C13 and N15-labeled recombinant protein (NP_653240)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218737
Predicted MW:	74.8 kDa
Protein Sequence:	>RC218737 protein sequence Red=Cloning site Green=Tags(s)

MSSLQALCSGLPLRPLPENRGRQAGVPHAPVRTPSLSPVEKQLALRNALRYFPPDVQELLAPEFAQELQL
YGHYMYRFCPDIEMRAYPIEQYPCQTKVAAAIMHMIMNLDPAVAQFPQELVTYGGNGQVFSNWAQFWL
TMFYLSKMTTEEQTLVMYSGHPLGLFPSSRSAPRLVITNGMVIPNYSSRTEYEKLFALGVTMYGQMTAGSY
CYIGPQGI VHGTVLTVLNAARRYLGIEDLAGKVFVTSGLGGMSGAQAKAAVIVGCIGVIAEVDKAALEKR
HRQGWLM EVTDSLDRCIQRLREARKKKEVL SLGYHGNVVALWERLVHELDTTGECLVDLGSQTSCHNPF
NGGYYPVQLSFEAQSLMASNPVFKDLVQESLRRQVSAINRLAEEKFFWDYGN AFLLEAQRAGADVEK
KGAGRTEFRYPSYVQHIMGDI FSQGF GPF RWVCTSGDPQDLAVTDELATSVLEEA IADGVKVSVKLQYMD
NIRWIREAARHRLVVG SQARILYSDQKGRVAIAVAINQAIACRRIKAPVVL SRDHHHDVSGTDSPFRETSN
IYDGS AFCADMAVQNFVGDACRGATWVALHNGGGVGVGEVINGGFGLVLDGTPEAEGRARMLMLSWDVSNG
VARRCWSGNQKAYEII CQTMQENSTLVVTLPHKVEDERVLQQALQL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_653240
RefSeq Size:	3280



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RefSeq ORF: 2028

Synonyms: HMFN0320; UROCD

Locus ID: 131669

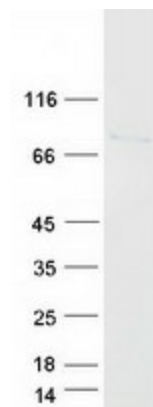
UniProt ID: [Q96N76](#)

Cytogenetics: 3q21.3

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]).