

Recombinant Human UROC1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. UROC1-1595H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	UROC1 MS Standard C13 and N15-labeled recombinant protein (NP_653240) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes an enzyme involved in histidine catabolism, metabolizing urocanic acid to formiminoglutamic acid. The gene product is known to protect the skin from ultra violet rays and is contained in human sweat. Deficiency of this gene product in the liver is an apparent cause of cognitive disability. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	74.8 kDa
AA Sequence	MSSLQALCSGLPLRPLPENRGRQAGVPHAPVRTPSLSPVEKQLALRNALRYFPPDV QELLAPEFAQELQLYGHIMYRFCPDIMRAYPIEQYPCQTKVAAAIMHMIMNNLDP AVAQFPQELVTYGGNGQVFSNWAQFWLTMFYLSKMTEEQTLMYSGHPLGLFPSS RSAPRLVITNGMVIPNYSSRTEYEKLFALGVTMYGQMTAGSYCYIGPQGIVHGTVLT VLNAARRYLGIEDLAGKVFTSGLGGMSGAAKAAVIVGCIGVIAEVDKAALEKRHR QGWLMEVTDSLDRICIQLREARKKKEVLSLGYHGNVVALWERLVHELDTTGECLVD LGSDQTSCHNPFNGGYYPVQLSFTEAQLMASNPAVFKDLVQESLRRQVSAINRLA EEKFFFWDYGNAFLLEAQRAGADVEKKGAGRTEFRYPSYVQHIMGDIFSQGFGPFR

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WVCTSGDPQDLAVTDELATSVLEEAIADGVKVSVKLQYMDNIRWIREAARHRLVVG
 SQARILYSDQKGRVAIAVAINQAIACRRIKAPVVLSDHHDVSGTDSPFRETSNIYDG
 SAFCADMAVQNFVGDACRGATWVALHNGGGVGWGEVINGGGFGLVLDGTPEAEGR
 ARLMLSWDVSNQVARRCWSGNQKAYEIICTMQENSTLVTLPHKVEDERVLQQA
 LQLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [UROC1 urocanate hydratase 1 \[Homo sapiens \(human\) \]](#)

Official Symbol [UROC1](#)

Synonyms UROC1; urocanate hydratase 1; UROCD; HMFN0320; urocanate hydratase; imidazolonepropionate hydrolase; urocanase 1; urocanase domain containing 1; EC 4.2.1.49

Gene ID [131669](#)

mRNA Refseq [NM_144639](#)

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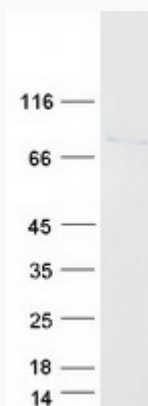
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Protein Refseq NP_653240

MIM 613012

UniProt ID Q96N76

SDS-PAGE



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