

Product datasheet for PH303738

MTO1 (NM_012123) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MTO1 MS Standard C13 and N15-labeled recombinant protein (NP_036255)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203738
Predicted MW:	77.3 kDa
Protein Sequence:	>RC203738 protein sequence Red=Cloning site Green=Tags(s)

MFYFRGCGRWVAVSFTKQFPLARLSSDSAAPRTPHFDVIVIGGGHAGTEAATAAARCGSRTLLLRVVD
TIGQMSCNPSFGGIGKGHLMREVDALDGLCSRICDQSGVHYKVLNRRKGPVWGLRAQIDRKLKQNMQK
EILNTPLLTVQEGAVEDLILTEPEPEHTGKCRVSGVVLVDGSTVYAESVILTTGTFLRGMIVIGLETHPA
GRLGDQPSIGLAQTLEKLG FVVGRLKTGTPPRIAKESINF SILNKHIPDNPSIPFSFTNETVWIKPEDQL
PCYL THTNPRVDEIVLKNLHLSHVKETTRGPRYCPSIESKVLRFPNRLHQVWLEPEGMDSLIYPQGLS
MTLPAELQEKMITCIRGLEKAKVIQPGYGVQYDYLDPQITPSLETHLVQRLFFAGQINGTTGYEAAAQ
GVIAGINASLRVSRKPPFVVSRTGYIGVLIDDLTTLGTSEPYRMFTSRVEFRLSLRPDNADSRLTLRGY
KDAGCVSQRYERACWMKSSLEEGISVLKSIIEFLSSKWKLIPEASISTSRSLPVRALDVLKYEEVDMS
LAKAVPEPLKKYTKCRELAERLKIATYESVLFHQLQEIKGVQQDEALQLPKDLDYLTIRDVLSHEVRE
KLHFSRPQTIGAASRIPGVTPAAIINLLRFVKTQRRQSAMNESSKTDQYLCADRLQEREL

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:	<u>NP_036255</u>
RefSeq Size:	2928



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RefSeq ORF: 2076

Synonyms: CGI-02; COXPD10

Locus ID: 25821

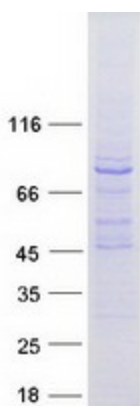
UniProt ID: [Q9Y2Z2](#)

Cytogenetics: 6q13

Summary: This gene encodes a mitochondrial protein thought to be involved in mitochondrial tRNA modification. The encoded protein may also play a role in the expression of the non-syndromic and aminoglycoside-induced deafness phenotypes associated with a specific mutation in the mitochondrial 12S rRNA gene. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified MTO1 protein (Cat# [TP303738]). The protein was produced from HEK293T cells transfected with MTO1 cDNA clone (Cat# [RC203738]) using MegaTran 2.0 (Cat# [TT210002]).