

Product datasheet for TP303738M

MTO1 (NM_012123) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human mitochondrial translation optimization 1 homolog (S. cerevisiae) (MTO1), nuclear gene encoding mitochondrial protein, transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203738 protein sequence Red=Cloning site Green=Tags(s)

MFYFRGCGRWAVSFTKQQFPLARLSSDSAAPRTPHFDVIVIGGGHAGTEAATAAARCGSRTLLTHRVDTIGQMSCNPSPFGGIGKGHLMREVDALDGLCSRICDQSGVHYKVLNRRKGPVWGLRAQIDRKLYKQNMQK
 EILNTPLLTVQEGAVEDLILTEPEPEHTGKCRVSGVVLVDGSTVYAESVILTTGTFLRGMIVIGLETHPA
 GRLGDQPSIGLAQTLEKLGFFVGRKTGTTPRIAKESINFILNKHIPDNPSIPFSFTNETVWIKPEDQL
 PCYLHTNPRVDEIVLKNLHLNSHVKETTRGPRYCPSIESKVLRFNRLHQVWLEPEGMDSDLIYPQGLS
 MTLPAELQEKMITCIRGLEKAKVIQPGYGVQYDLDPRQITPSLETHLVQRLFFAGQINGTTGYEAAAQ
 GVIAGINASLRVSRKPPFVSRTEGYIGVLIDDLTTLGTSEPYRMFTSRVEFRLSLRPDNADSRLTLRGY
 KDAGCVSQQRYERACWMKSSLEEGISVLKSIEFLSSKWKKLIPEASISTSRSLPVRALDVLKYEEVDMDSD
 LAKAVPEPLKKYTKCRELAERLKIEATYESVLFHQLQEIKGVQQDEALQLPKDLTYLTIRDVLSLSHEVRE
 KLHFSRPQTIGAASRIPGVTPAAIINLLRFVKTQRRQSAMNESSKTDQYLCADRLQEREL

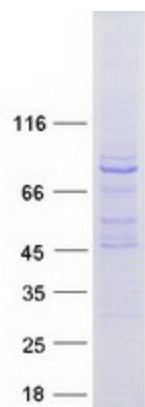
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	77.1 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_036255
Locus ID:	25821
UniProt ID:	Q9Y2Z2
RefSeq Size:	2928
Cytogenetics:	6q13
RefSeq ORF:	2076
Synonyms:	CGI-02; COXPD10
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]).