

Recombinant Human MGME1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MGME1-6374H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	C20orf72 MS Standard C13 and N15-labeled recombinant protein (NP_443097) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a nuclear-encoded mitochondrial protein necessary for the maintenance of mitochondrial genome synthesis. The encoded protein is a RecB-type exonuclease and primarily cleaves single-stranded DNA. Defects in this gene have been associated with mitochondrial DNA depletion syndrome-11. Three transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	39.4 kDa
AA Sequence	MKMKLFQTICRQLRSSKFSVESAAALVAFSTSSYSCGRKKKVNPHYEEVDQEKYSNLV QSVLSSRGVAQTPGSVEEDALLCGPVSKHKLPNQGEDRRVPQNWFPINPERSDK PNASDPSVPLKIPLQRNVIPSVTRVLQQTMTKQQVFLLERWKQRMILELGEDGFKEY TSNVFLQGKRFHEALESILSPQETLKERDENLLKSGYIESVQHILKDVSGVRALESV QHETLNYIGLLDCVAEYQGKLCVIDWKTSEKPKPFIQSTFDNPLQVVAYMGAMNHDT NYSFQVQCGLIVVAYKDGSPAHPHFMDAELCSQYWTKWLLRLEEYTEKKKNQNIQK PEYSETRTRPLEQKLISEEDLAANDILDYKDDDDKV

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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	MGME1 mitochondrial genome maintenance exonuclease 1 [Homo sapiens (human)]
Official Symbol	MGME1
Synonyms	MGME1; mitochondrial genome maintenance exonuclease 1; DDK1; MTDPS11; C20orf72; bA504H3.4; mitochondrial genome maintenance exonuclease 1
Gene ID	92667
mRNA Refseq	NM_052865
Protein Refseq	NP_443097
MIM	615076
UniProt ID	Q9BQP7

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SDS-PAGE

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