

Recombinant Human MIEF1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MIEF1-4502H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SMCR7L MS Standard C13 and N15-labeled recombinant protein (NP_061881) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	MIEF1 (Mitochondrial Elongation Factor 1) is a Protein Coding gene. Diseases associated with MIEF1 include Optic Atrophy 1 and Encephalopathy Due To Defective Mitochondrial And Peroxisomal Fission 1. Gene Ontology (GO) annotations related to this gene include identical protein binding and ADP binding. An important paralog of this gene is MIEF2.
Molecular Mass	51.3 kDa
AA Sequence	MAGAGERKGGKDDNGIGTAIDFVLSNARLVLGVGGAAMLGIATLAVKRMYPDRAISAP TSPTRLSHSGKRSWEEPNNWGMSPRLLNRDMKTGLSRSLQTLPTDSSTFDTDTCF PRPKPVARKGQVDLKKSRRLRMSLQEKLLTYRNRAAIPAGEQARAKQAAVDICAELR SFLRAKLPDMPLRDMYLSGSLYDDLQVVTADHIQLIVPLVLEQNLWSCIPGEDTIMNV PGFFLVRRNPEYFPRGSSYWDRCVVGGLSPKTVADTFEKVVAGSINWPAIGSLL DYVIRPAPPPEALTLEVQYERDKHLFIDFLPSVTLGDTVLVAKPHRLAQYDNLWRLSL RPAETARLRALDQADSGCRSLCLKILKAICKSTPALGHLTASQLTNVILHLAQEEADW SPDMLADRFLQALRGLISYLEAGVLPSALNPKVNLFAELTPEEIDELGYTLYCSLSEP

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EVLLQTTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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	MIEF1 mitochondrial elongation factor 1 [Homo sapiens (human)]
Official Symbol	MIEF1
Synonyms	MIEF1; mitochondrial elongation factor 1; MID51; SMCR7L; AltMIEF1; HSU79252; MIEF1-MP; dJ1104E15.3; mitochondrial dynamics protein MID51; MIEF1 microprotein; SMCR7-like protein; Smith-Magenis syndrome chromosome region, candidate 7-like; alternative MIEF1 protein; mitochondrial dynamic protein MID51; mitochondrial dynamic protein of 51 kDa; mitochondrial dynamics protein of 51 kDa; smith-Magenis syndrome chromosomal region candidate gene 7 protein-like
Gene ID	54471
mRNA Refseq	NM_019008
Protein Refseq	NP_061881

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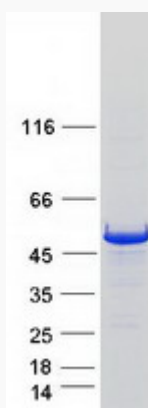
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MIM 615497

UniProt ID Q9NQG6

SDS-PAGE



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