Recombinant Human MIEF2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MIEF2-1174H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SMCR7 MS Standard C13 and N15-labeled recombinant protein (NP_631901) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes an outer mitochondrial membrane protein that functions in the regulation of mitochondrial morphology. It can directly recruit the fission mediator dynamin-related protein 1 (Drp1) to the mitochondrial surface. The gene is located within the Smith-Magenis syndrome region on chromosome 17. Alternative splicing results in multiple transcript variants encoding different isoforms.
Molecular Mass	49.3 kDa
AA Sequence	MAEFSQKRGKRRSDEGLGSMVDFLLANARLVLGVGGAAVLGIATLAVKRFIDRATSP RDEDDTKADSWKELSLLKATPHLQPRPPPAALSQPVLPLAPSSSAPEGPAETDPEV TPQLSSPAPLCLTLQERLLAFERDRVTIPAAQVALAKQLAGDIALELQAYFRSKFPEL PFGAFVPGGPLYDGLQAGAADHVRLLVPLVLEPGLWSLVPGVDTVARDPRCWAVR RTQLEFCPRGSSPWDRFLVGGYLSSRVLLELLRKALAASVNWPAIGSLLGCLIRPSM ASEELLLEVQHERLELTVAVLVAVPGVDADDRLLLAWPLEGLAGNLWLQDLYPVEAA RLRALDDHDAGTRRRLLLLLCAVCRGCSALGQLGRGHLTQVVLRLGEDNVDWTEE ALGERFLQALELLIGSLEQASLPCHFNPSVNLFSSLREEEIDDIGYALYSGLQEPEGLL

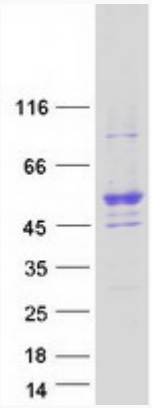
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	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated 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	MIEF2 mitochondrial elongation factor 2 [Homo sapiens (human)]
Official Symbol	MIEF2
Synonyms	MIEF2; mitochondrial elongation factor 2; MID49; SMCR7; COXPD49; mitochondrial dynamics protein MID49; Smith-Magenis syndrome chromosomal region candidate gene 7 protein; Smith-Magenis syndrome chromosome region, candidate 7; mitochondrial dynamic protein MID49; mitochondrial dynamic protein of 49 kDa; mitochondrial dynamics protein of 49 kDa
Gene ID	125170
mRNA Refseq	NM_139162
Protein Refseq	NP_631901

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MIM	615498
UniProt ID	Q96C03
SDS-PAGE	

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