

Mitofilin Protein, Rat, Recombinant (His)

General Information

Synonyms:	Mic60;Mitochondrial inner membrane protein;Mitofilin;MICOS complex subunit Mic60;Immt
Protein Construction:	34-609 aa
Species:	Rat
Expression Host:	E. coli
Accession:	Q3KR86
Molecular Weight:	66.3 kDa (predicted)
AA Sequence:	STSSSSGVTAGKIAGAGLLFVGGGIGGTILYAKWDSHFRESVEKTIPYSDKLFGMVLGSAPTYVPLPKKPIQSGP LKISSVSEVMTDSELPMATQETNGDTPASAAGDPAPEVEHEDTINTECPNTDEGTSTFVTAALAKSLEDALN QTATVTRQTITAQNAAVQAVKAHSSTLKTAMDNSEIAGEKKSAQWRTVEGALKERRKAVDEAADALLKAKE ELEKMKTIIEDAKKREIAGATPYITAAEEKLHSMIVDLDSVVKVQAAQSEAKVVSQYHELVVQARDDFRKELD SITPDITPGWKMSISDLAGTLSTDDLNALIAHAHRRIDQLNRELAQQKATEKQHIELALERQKLEEKRAFDSA VAKALEHHRSEIQAEQDRKVEEVRDAMENEMRTLRRQAAAHTDHLRDVLKVQEELKFEFEQDLSEKLSE QELEFHRRSQEQMDNFTLDINTAYARLRGIEQAVQSHAVAEERKAKHLWLSVEALKYSMTSSAEMPTIP LGSVAEIRVSCSDNEFTQALTAAPPESLTRGVYSEETLRARFYAVQKLAGRVAMIDETKNSLYQ

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Preparation and Storage

Reconstitution:	A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.
Stability & Storage:	Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.
Shipping:	In general, Lyophilized powders are shipping with blue ice. Solutions are shipping with dry ice.

Protein Background

Component of the MICOS complex, a large protein complex of the mitochondrial inner membrane that plays crucial roles in the maintenance of crista junctions, inner membrane architecture, and formation of contact sites to the outer membrane. Plays an important role in the maintenance of the MICOS complex stability and the mitochondrial cristae morphology.

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