

## Mitofusin-1

Catalog No: #AP79124

Package Size: #AP79124-1 50ug #AP79124-2 100ug #AP79124-3 1mg

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## Description

Product Name	Mitofusin-1
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% by SDS-PAGE
Species Reactivity	Human
Immunogen Description	2-77aa
Other Names	Fzo homolog, Transmembrane GTPase MFN1
Accession No.	Q8IWA4 Gene name: MFN1
Uniprot	Q8IWA4
GeneID	55669;
Calculated MW	8.36
Tag Info	His
Formulation	50mM NaH <sub>2</sub> PO <sub>4</sub> , 500mM NaCl Buffer with 500mM Imidazole, 10% glycerol (PH8.0)
Storage	Store at -20C. (Avoid repeated freezing and thawing.) Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Mitochondrial outer membrane GTPase that mediates mitochondrial clustering and fusion (PubMed:12475957, PubMed:12759376, PubMed:27920125, PubMed:28114303). Membrane clustering requires GTPase activity (PubMed:27920125). It may involve a major rearrangement of the coiled coil domains (PubMed:27920125, PubMed:28114303). Mitochondria are highly dynamic organelles, and their morphology is determined by the equilibrium between mitochondrial fusion and fission events (PubMed:12475957, PubMed:12759376). Overexpression induces the formation of mitochondrial networks (in vitro) (PubMed:12759376). Has low GTPase activity (PubMed:27920125, PubMed:28114303).

## References

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Note: This product is for in vitro research use only