

## Recombinant Human MICU1 Protein, MYC/DDK-tagged

Cat. No. MICU1-1234H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human MICU1 protein, fused to MYC/DDK tag at C-terminus, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	This gene encodes an essential regulator of mitochondrial Ca <sup>2+</sup> uptake under basal conditions. The encoded protein interacts with the mitochondrial calcium uniporter, a mitochondrial inner membrane Ca <sup>2+</sup> channel, and is essential in preventing mitochondrial Ca <sup>2+</sup> overload, which can cause excessive production of reactive oxygen species and cell stress. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Mar 2013].
<b>Form</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
<b>Molecular Mass</b>	54.4 kDa
<b>Purity</b>	>50 ug/mL as determined by microplate BCA method
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

### GENE INFORMATION

<b>Gene Name</b>	MICU1 mitochondrial calcium uptake 1 [ Homo sapiens ]
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<b>Official Symbol</b>	MICU1
<b>Synonyms</b>	CALC; CBARA1; EFHA3; MPXPS
<b>Gene ID</b>	10367
<b>mRNA Refseq</b>	NM_001195518
<b>Protein Refseq</b>	NP_001182447
<b>MIM</b>	605084
<b>UniProt ID</b>	Q9BPX6

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