

Recombinant Human MICU1 Protein, His-tagged

Cat. No. MICU1-1227H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant human MICU1 protein, fused to His tag at N-terminus, was expressed in E. coli.

Species Human

Source E.coli

Description This gene encodes an essential regulator of mitochondrial Ca²⁺ uptake under basal conditions. The encoded protein interacts with the mitochondrial calcium uniporter, a mitochondrial inner membrane Ca²⁺ channel, and is essential in preventing mitochondrial Ca²⁺ 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].

Form 25 mM Tris, pH 8.0, 150 mM NaCl, 10 % glycerol, 1 % Sarkosyl.

Molecular Mass 54.4 kDa

Purity >50 ug/mL as determined by microplate BCA method

Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name MICU1 mitochondrial calcium uptake 1 [Homo sapiens]

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Official Symbol	MICU1
Synonyms	CALC; CBARA1; EFHA3; MPXPS
Gene ID	10367
mRNA Refseq	NM_001195518
Protein Refseq	NP_001182447
MIM	605084
UniProt ID	Q9BPX6

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