

MICU1 抗原（重组蛋白）

中文名称： MICU1 抗原（重组蛋白）

英文名称： MICU1 Antigen (Recombinant Protein)

别名： mitochondrial calcium uptake 1; CALC; EFHA3; MPXPS; CBARA1

储存： 冷冻（-20℃）

相关类别： 抗原

概述

Fusion protein corresponding to a region derived from 277-476 amino acids of human MICU1

技术规格

Full name:	mitochondrial calcium uptake 1
Synonyms:	CALC; EFHA3; MPXPS; CBARA1
Swissprot:	Q9BPX6
Gene Accession:	BC004190
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	This gene encodes an essential regulator of mitochondrial Ca ²⁺ uptake under basal conditions. The encoded protein interacts with the mitochondrial calcium uniporter, a mitochondrial inner membrane Ca ²⁺ channel, and is essential in preventing mitochondrial Ca ²⁺ overload, which can cause excessive production of reactive oxygen species and cell stress. Alternatively spliced transcript variants encoding different isoforms have been described.