

Product datasheet for **TP306952L**

MCU (NM_138357) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens coiled-coil domain containing 109A (CCDC109A), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC206952 representing NM_138357
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MAAAAGRLLLLLSSRGGGGGAGGCGALTAGCFPLGVSRRRQQQHHRVHQRIASWQNLGAVYCSTV
PSDDVTVVYQNGLPVISVRLPSRRERCQFTLKPISDSVGVFLRQLQEEDRGIDRVAIYSPDGVRVAASTG
IDLLLLDDFKLVINDLTYHVRPPKRDLLSHENAATLNDVKTLVQQLYTTLCLIEQHQLNKERELIERLEDL
KEQLAPLEKVRIEISRKAERKRTTLVLWGGLAYMATQFGILARLTWWEYSWDIMEPVTYFITYGSAMAMYA
YFVMTRQEYVYPEARDRQYLLFFHKGAKKSRFDLEKYNQLKDAIAQAEMDLKRLRDPLQVHLPLRQIGEK
D

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

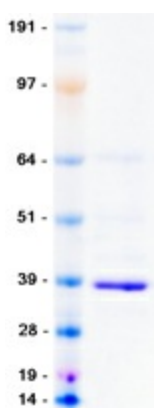
Tag:	C-Myc/DDK
Predicted MW:	39.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_612366



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Locus ID:	90550
UniProt ID:	Q8NE86
RefSeq Size:	2978
Cytogenetics:	10q22.1
RefSeq ORF:	1053
Synonyms:	C10orf42; CCDC109A; HsMCU
Summary:	This gene encodes a calcium transporter that localizes to the mitochondrial inner membrane. The encoded protein interacts with mitochondrial calcium uptake 1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2012]
Protein Families:	Transmembrane

Product images:



Coomassie blue staining of purified MCU protein (Cat# [TP306952]). The protein was produced from HEK293T cells transfected with MCU cDNA clone (Cat# [RC206952]) using MegaTran 2.0 (Cat# [TT210002]).