

Product datasheet for TP308308

MICAL1 (NM_022765) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human microtubule associated monooxygenase, calponin and LIM domain containing 1 (MICAL1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC208308 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MASPTSTNPAHAHFESFLQAQLCQDVLSSFQELCGALGLEPGGGLPQYHKIKDQLNYWSAKSLWTKLDKR
AGQPVYQQGRACTSTKCLVVGAGPCGLRVAVELALLGARVVLVEKRTKFSRHNVLHLWPFTIHDLRALGA
KKFYGRFCTGTLDHISIRQLQLLLLKVALLGVEIHWGVTFTGLQPPPRKGSWRAQLQPNPPAQLANYE
FDVLISAAGGKFVPEGFVREMRGKLAIGITANFVNGRTVEETQVPEISGVARIYNQSFQSLKATGID
LENIVYYKDDTHYFVMTAKKQCLLRGLVLRQDWPDTNRLLGSANVPEALQRFTRAAADFATHGKLGKLE
FAQDAHGQPDVSAFDFTSMMRAESSARVQEKHGARLLLGLVGDCLVEPFWPLGTGVARGFLAAFDAAWMV
KRWAEGAESLEVLAERESLYQLLSQTSPENMHRNVAQYGLDPATRYPNLNLRAVTPNQVRDLYDLAKEP
VQRNNDKTDTGMPATGSAGTQEELLRWCQEQTAGYPGVHVSDDLSSSWADGLALCALVYRLQPGLEPSEL
QGLGALEATAWALKVAENELGITPVVSAQAVVAGSDPLGLIAYLSHFHSAFKSMAHSPGPVQSASPGTSS
AVLFLSKLQRTLQRSRAKENAEDAGGKLRLEMEAETPSTEVPDPEPGVPLTPPSQHQEAGAGDLCALC
GEHLYVLERLCVNGHFFHRSCFRCHTCEATLWPGGYEQHPGDGHFYCLQHLPPQTDHKAEGSDRGPESEL
PTPSENSMPPGLSTPTASQEGAGVPDPSPQPTRRQIRLSSPERQLSSLNLTPPEMEPPPKPPRSCSAL
ARHALESSFVGWGLPVQSPQALVAMEKEEKESPFSEEEEEEDVPLSDVEQALQTFAKTSGTMNNYPTWR
RTLRRAKEEEMKRFCKAQTIQRRLEIEAALRELEAEGVKLELALRRQSSSPEQQKLLWVGQLLQLVDK
KNSLVAEEAELMITVQELNLEEKQWQLDQELRGYMNREENLKAADRQAEDQVLRKLVLDLVNQRDALIRF
QEERLSELALGTGAQG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

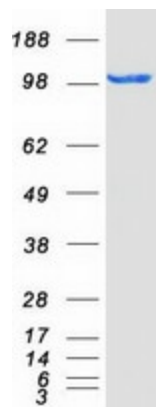
Tag:	C-Myc/DDK
Predicted MW:	117.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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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_073602
Locus ID:	64780
UniProt ID:	Q8TDZ2
RefSeq Size:	3661
Cytogenetics:	6q21
RefSeq ORF:	3201
Synonyms:	MICAL; MICAL-1; NICAL
Summary:	This gene encodes an enzyme that oxidizes methionine residues on actin, thereby promoting depolymerization of actin filaments. This protein interacts with and regulates signalling by NEDD9/CAS-L (neural precursor cell expressed, developmentally down-regulated 9). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2015]

Product images:



Coomassie blue staining of purified MICAL1 protein (Cat# TP308308). The protein was produced from HEK293T cells transfected with MICAL1 cDNA clone (Cat# [RC208308]) using MegaTran 2.0 (Cat# [TT210002]).