

## Product datasheet for **TP308308L**

### 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), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC208308 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MASPTSTNPAHAHFESFLQAQLCQDVLSSFQELCGALGLEPGGGLPQYHKIKDQLNYWSAKSLWTKLDKR  
AGQPVYQQGRACSTKCLVVGAGPCGLRVAVELALLGARVVLVEKRTKFSRHNVLHLWPFTIHDLRALGA  
KKFYGRFCTGTLDHISIRQLQLLLKVALLLGVEIHWGVTFTGLQPPPRKGGSWRAQLQPNPPAQLANYE  
FDVLISAAGGKFVPEGFVREMRGKLAIGITANFVNGRTVEETQVPEISGVARIYNQSFQSLKATGID  
LENIVYYKDDTHYFVMTAKKQCLLRGVLQRDWPDTNRLLGSANVPEALQRFTRAAADFATHGKLGKLE  
FAQDAHGQPDVSAFDFTSMMRAESSARVQEKHGARLLGLVGDCLVEPFWPLGTGVARGFLAAFDAAMV  
KRWAEGAESLEVLAERESLYQLLSQTPENMHRNVAQYGLDPATRYPNLNLRAVTPNQVRDLYDLAKEP  
VQRNNDKTDTGMPATGSAGTQEELLRWCQEQTAGYPGVHVSDDLSSSWADGLALCALVYRLQPGLEPSEL  
QGLGALEATAWALKVAENELGITPVSAQAVVAGSDPLGLIAYLSHFHSAFKSMAHSPGPVQSASPGTSS  
AVLFLSKLQRTLQRSRAKENAEDAGGKLRLEMEAETPSTEVPDPEPGVPLTPPSQHQEAGAGDLCALC  
GEHLYVLERLCVNGHFFHRSCFRCHTCEATLWPGGYEQHPGDGHFYCLQHLPPQTDHKAEGSDRGPESPEL  
PTPSENSMPPGLSTPTASQEGAGVPDPSPQPTRRQIRLSSPERQLSSLNLTPDPEMEPPPKPPRSCSAL  
ARHALESSFVGWGLPVQSPQALVAMEKEEKESPFSEEEEEEDVPLSDVEQALQTFAKTSGTMNNYPTWR  
RTLRRAKEEEMKRFCKAQTIQRRLEIEAALRELEAEGVKLELALRRQSSSPEQQKLLWVGQLLQLVDK  
KNSLVAEEAELMITVQELNLEEKQWQLDQELRGMNREENLKAADRQAEDQVLRKLVLDLVNQRDALIRF  
QEERLSELALGTGAQG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

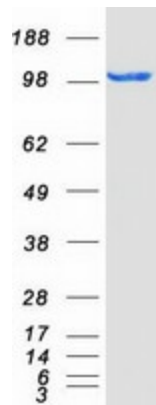
Tag:	C-Myc/DDK
Predicted MW:	117.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_073602</a>
<b>Locus ID:</b>	64780
<b>UniProt ID:</b>	<a href="#">Q8TDZ2</a>
<b>RefSeq Size:</b>	3661
<b>Cytogenetics:</b>	6q21
<b>RefSeq ORF:</b>	3201
<b>Synonyms:</b>	MICAL; MICAL-1; NICAL
<b>Summary:</b>	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]).