

Product datasheet for PH308308

MICAL1 (NM_022765) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MICAL1 MS Standard C13 and N15-labeled recombinant protein (NP_073602)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208308
Predicted MW:	117.9 kDa
Protein Sequence:	>RC208308 protein sequence Red=Cloning site Green=Tags(s)

MASPTSTNPAHAHFESFLQAQLCQDVLSSFQELCGALGLEPGGGLPQYHKIKDQLNYWSAKSLWTKLDKR
AGQPVYQQGRACSTKCLVVGAGPCGLRVAVELALLGARVVLVEKRTKFSRHNVLHLPFTIHDLRALGA
KKFYGRFCTGTLDHISIRQLQLLLKVALLLGVEIHWGVFTTGLQPPRKGSGWRAQLQPNPAAQLANYE
FDVLISAAGGKFVPEGFKVREMRGKLAIGITANFVNGRTEVEETQVPEISGVARIYNQSFQSLKATGID
LENIIVYKDDTHYFVMTAKKQCLLRGLVLRQDWPDTNRLLSANVVEALQRFTRAAADFATHGKLGKLE
FAQDAHGQPDVSAFDFTSMMRAESSARVQEKHGARLLLGLVGDCLVEPFWPLGTGVARGFLAAFDAAMV
KRWAEGAESLEVLARESLEYQLLSQTSPEMHRNVAQYGLDPATRYPNLNLRAVTPNQVRDLYDVLAKEP
VQRNNDKTDTGMPATGSAGTQEELLRWCEQTAGYPGVHVSDDLSSWADGLALCALVYRLQPGLLPSEL
QGLGALEATAWALKVAENELGITPVVSAQAVVAGSDPLGLIAYLSHFSAFKSMAHSPGPVVSQASPGTSS
AVLFLSKLQRTLQSRAKENAEDAGGKLRLEMEAETPSTEVPPDPEPGVPLTPPSQHQEAGAGDLCALC
GEHLYVLERLCVNGHFFHRSCFRCHTCEATLWPGGYEQHPGDGHFYCLQHLPQTDHKAEGSDRGPESEL
PTPSENSMPPGLSTPTASQEGAGVPDPSQPTRRQIRLSSPERQRLSSLNLTPDPEMEPPPKPPRSCSAL
ARHALESSFVWGGLPVQSPQALVAMEKEEKESPFSEEEEEEDVPLDSDVEQALQTFAKTSGTMNNYPTWR
RTLLRRAKEEEMKRFCKAQTIQRRLEIEAALRELEAEGVKLELALRRQSSSPEQQKLVWGQLLQVLDK
KNSLVAEEAELMITVQELNLEEKQWQLDQELRGYMNREENLKTAAADRQAEDQVLRKLVLDVNQRDALIRF
QEERRLELALGTGAQG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

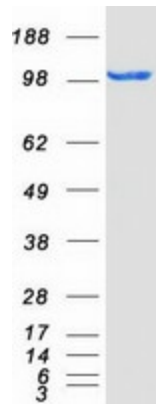
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3



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Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_073602
RefSeq Size:	3661
RefSeq ORF:	3201
Synonyms:	MICAL; MICAL-1; NICAL
Locus ID:	64780
UniProt ID:	Q8TDZ2
Cytogenetics:	6q21
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]).