

## Product datasheet for TP517273

### Micall1 (NM\_177461) Mouse Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Mouse microtubule associated monooxygenase, calponin and LIM domain containing -like 1 (Micall1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
<b>Species:</b>	Mouse
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>MR217273 representing NM_177461 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAGPRGALLAWCRRQCEGYRGVDIRDLSSFRDGLAFCAILHRHRPDLDFQSLSKENVFENNRLAFEVA  
EKELGIPALLDPNDMVSMSVPDCLSIMTYVSQYNNHFTSSGQAAASPPKPGKDPAPPSPTSTSPAVQPGE  
EAQGDDLSPDSLSEQKQPPSSACAACGQRVHLVQRYLAEGRLYHRHCFRCRQCSTLVPGSYSSGPEE  
GTFVCAERCTRLGPGSRSGTRLLSQQRQPAAAEAKDAEDNDPSLSVAVAEADRLQASSEVQFHTPTKP  
PLPSKPQELASPPGGRPTPAPRKASSELTPTPRPRSSLQQDGTVEQSVSSGLVNGRLQEPVVPKPRG  
TPKLSERMAAPRKDPPWITLVQTEPKKPPAPQPPSSGPGPLSQAYRQVEDGGLEEQTQKSSGTEPEPKPY  
NPFEEEEEEGEPAPPVPSPLAPPVPSPPAPPVPSAPAPSEATPKSLHPWYGITPTSSPKTKRPPAP  
RAPSASPLAIHASRLSHSEPPSATPSPALSVELSSESSHTANAEPLEPPAVPKSSDPAVHVPGTGPT  
SGNSVTPSANSLSGELGQPSGEQMLQARTKGSAGTHSTKPFSGATPTPFLLAGDRNPAPPVGSASPQ  
LQIKSSCKENPFNRKPSASPTVRKATKGAKPVRPPAPGHGFPLIKRKVQADQYIPEEDIYGEMDNIER  
QLDALEHSGVLLLEEKLRGGANEGSEDDMLVDWFKLIHEKHLLVRRESELIYVFKQQNLEQRQADVEFELR  
CLLNKPEKDWTDEDREKVLMLQELMTLIEQRDAIVNCLDEDQRREEEDKMLETMIKKKDFQREAESDS  
KKKGKFKTIKVLKFLGNKREAKSKAPGDKS

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

<b>Tag:</b>	C-MYC/DDK
<b>Predicted MW:</b>	94.1 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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<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 after receiving vials.
<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_803412</a>
<b>Locus ID:</b>	27008
<b>UniProt ID:</b>	<a href="#">Q8BGT6</a>
<b>RefSeq Size:</b>	6708
<b>Cytogenetics:</b>	15 37.7 cM
<b>RefSeq ORF:</b>	2610
<b>Synonyms:</b>	AI448246; D15Mit260; D15N2e; EST573322; EST820961; MIRab13; mKIAA1668
<b>Summary:</b>	Probable lipid-binding protein with higher affinity for phosphatidic acid, a lipid enriched in recycling endosome membranes. On endosome membranes, may act as a downstream effector of Rab proteins recruiting cytosolic proteins to regulate membrane tubulation. May be involved in a late step of receptor-mediated endocytosis regulating for instance endocytosed-EGF receptor trafficking. Alternatively, may regulate slow endocytic recycling of endocytosed proteins back to the plasma membrane. May indirectly play a role in neurite outgrowth.[UniProtKB/Swiss-Prot Function]