

Product datasheet for TP511931

Mink1 (BC052474) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse misshapen-like kinase 1 (zebrafish) (cDNA clone MGC:63403 IMAGE:6833893), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR211931 protein sequence
Red=Cloning site **Green**=Tags(s)

MGDPAPARSLDDIDLSALRDPAGIFELVEVGNNGTYGQVYKGRHVKTGQLAAIKVMDVTEDEEEEIKQEI
NMLKKYSHHRNIATYYGAFIKKSPGNDQLWLVMFCGAGSVTDLVKNTKGNALKEDCIAIYCREILRG
LAHLHAHKVIHRDIKGNVLLTENAELVDFGVSAQLDRTVGRRTFIGTPYWMPEVIACDENPDATY
DYRSDIWSLGITAIEMAEGAPPLCDMHPMRALFLIPRNPPRLKSKKWSKKFTDFIDTCLIKTYLSRPPT
EQLLKFPFIRDQPTERQVRIQLKDHIDRSRKKREETEYEYSGSEEEEDSHGEEGEPSSIMNVPGESTLRR
EFLRLQQENKSNSEALKQQQQQLQQQQQRDPEAHIKHLLHQRRRIEEQKEERRRVEEQRRREREQRKLQE
KEQQRLEDMQALRREEERRQAEREQEYKRKQLEEQRQSERLQRQLQQEHAYLKSLLQQQQQQQLQKQQQ
QQQQILPGDRKPLYHYGRGINPADKPAWAREVEERARMNKQNSPLAKAKPSSAGPEPPISQASPPPGP
LSQTPPMQRPVEPQEGPHKSLVAHRVPLKPYAAPVPRSQSLQDQPTRNLAAFPASHDPDPAAVPTPTATP
SARGAVIRQNSDPTSEGPSPNPPSWVRPDNEAPPKVPQRTSSIATALNTSGAGGSRAQAVRARPRSN
SAWQIYLQRRRAERGTPKPPGPPAQP PGPPNASSNPDLRRSDPGWERSDSVLPASHGHLPLQAGSLERNRNR
VGASTKLDSSPVLSPGNKAKPEDHRSRPGRPADFVLLKERTLDEAPKPPKAMDYSSSSEEVESSEEEEE
EGDGEPSEGRDTPGGRSDGDTDSVSTMVHDVEEISGTQPSYGGTMVVQRTPEEERSLLLADSNGYTN
LPDVVQPSHSPTENSKGQSPPTKDGGSDYQSRGLVKAPGKSSFTMFVDLGIYQPGGSGDTIPITALVGG
GGRLDQLQFDVRKGSVNVNPTNTRAHSETPEIRKYKRFNSEILCAALWGVNLLVGTENGLMLLDRSGQ
GKVYGLIGRRRFQQMDVLEGLNLLITISGKRNLRVYLSWLRNKILHNDPEVEKKQGWTTVGDMEGCGH
YRVVKYERIKFLVIALKNYVEVYAWAPKPYHKFMAFKSFADLPHRPLLVDLTVEEGQRLKVIYGSSAGFH
AVDVDSGNSYDIYPVHIQSQITPHAIIFLNTDGMEMLLCYEDEGVYVNTYGRIKDVVLQWGEMPTSV
AYICSNQIMGWGEKAIEIRSVETGHLDGVFMHKRAQRLKFLCERNDKVFFASVRSRGGSSQVYFMTLNRNC
IMNW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK



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Predicted MW:	150.2 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
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 after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Locus ID:	50932
UniProt ID:	Q9JM52
RefSeq Size:	4842
Cytogenetics:	11 B3
RefSeq ORF:	4002
Synonyms:	B55, MINK, RP23-122P1.6
Summary:	Serine/threonine kinase which acts as a negative regulator of Ras-related Rap2-mediated signal transduction to control neuronal structure and AMPA receptor trafficking. Required for normal synaptic density, dendrite complexity, as well as surface AMPA receptor expression in hippocampal neurons. Can activate the JNK and MAPK14/p38 pathways and mediates stimulation of the stress-activated protein kinase MAPK14/p38 MAPK downstream of the Raf/ERK pathway. Phosphorylates: TANC1 upon stimulation by RAP2A, MBP and SMAD1. Has an essential function in negative selection of thymocytes, perhaps by coupling NCK1 to activation of JNK1.[UniProtKB/Swiss-Prot Function]