

## Product datasheet for TP526852

### Mapk8ip1 (NM\_011162) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse mitogen-activated protein kinase 8 interacting protein 1 (Mapk8ip1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR226852 representing NM_011162 Red=Cloning site Green=Tags(s)

MAERESGLGGGAASPPAASPFLGLHIASPPNFRLLTHDISLEEFEDLSEITDECGLSLQCKDTLSLRPP  
RAGLLSAGSSGSAGSRLQAEMQLMDLIDAAGDTPGAEDDEEEEDLAAQRPGVGPPEAKESNQDPAPRSQ  
GQGPGTGSQDTPRKRPTTLNLFQVPRSQDTLNNNSLGGKHSWQDRVSRSSSPLKTGEQTPPEHICLS  
DELPPQGSVPVTQDRGTSTDSPCRRAATQMAPPSPGPPATAPGGRGHSRDRIHQADVRLEATEEIIYL  
PVQRPPDPAEPTSTFMPPTESRMSVSSDPDPAAYSVTAGRPHPSISEEDEFDCLSSPERAEPGGGWRG  
SLGEPPIPPRASLSSDTSALSYDSVKYTLVVDEHAQLELVSLRPFCDYSDSDSATVYDNCASASSPYE  
SAIGEEYEEAPQPRPPTCLSEDSTPDEPDVHFSKFLNVFMSGRRSSSAESFGLFSCVINGEEHEQTHR  
AIFRFVPRHEDELELVDDPLLVELQAEDYWYEAYNMRTGARGVFPAYYAIEVTKPEHMAALAKNSDWI  
DQFRVKFLGSVQVPYHKGNVLCAMQKIATTRLTVHFNPPSSCVLEISVRGVKIGVKADDALEAKGNK  
CSHFFQLKNISFCGYHPKNNKYFGFITKHPADHRFACHVFVSEDSTKALAESVGRAQQFYKQFVEYTCP  
TEDIYLE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	77.3 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.



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<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_035292</a>
<b>Locus ID:</b>	19099
<b>UniProt ID:</b>	<a href="#">Q9WV19</a> , <a href="#">Q6GQW8</a>
<b>RefSeq Size:</b>	2954
<b>Cytogenetics:</b>	2 E1
<b>RefSeq ORF:</b>	2121
<b>Synonyms:</b>	IB1; JIP-1; Jip1; mjip-2a; Prkm8ip; Skip
<b>Summary:</b>	<p>The JNK-interacting protein (JIP) group of scaffold proteins selectively mediates JNK signaling by aggregating specific components of the MAPK cascade to form a functional JNK signaling module. Required for JNK activation in response to excitotoxic stress. Cytoplasmic MAPK8IP1 causes inhibition of JNK-regulated activity by retaining JNK in the cytoplasm and thus inhibiting the JNK phosphorylation of c-Jun. May also participate in ApoER2-specific reelin signaling. Directly, or indirectly, regulates GLUT2 gene expression and beta-cell function. Appears to have a role in cell signaling in mature and developing nerve terminals. May function as a regulator of vesicle transport, through interactions with the JNK-signaling components and motor proteins. Functions as an anti-apoptotic protein and whose level seems to influence the beta-cell death or survival response (By similarity). Acts as a scaffold protein that coordinates with SH3RF1 in organizing different components of the JNK pathway, including RAC1 or RAC2, MAP3K11/MLK3 or MAP3K7/TAK1, MAP2K7/MKK7, MAPK8/JNK1 and/or MAPK9/JNK2 into a functional multiprotein complex to ensure the effective activation of the JNK signaling pathway. Regulates the activation of MAPK8/JNK1 and differentiation of CD8(+) T-cells (PubMed:23963642). [UniProtKB/Swiss-Prot Function]</p>