

## Product datasheet for **TP309734L**

### JIP1 (MAPK8IP1) (NM\_005456) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human mitogen-activated protein kinase 8 interacting protein 1 (MAPK8IP1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC209734 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MAERESGGLGGGAASPPAASPFLGLHIASPPNFRLTHDISLEEFEDLSEITDECGISLQCKDTLSLRP  
PRAGLLSAGGGGAGSRLQAEMQLMDLIDATGDTPGAEDDEEDDDEERAARRPGAGPPKAESGQEPASRGQ  
GQSQGQSQGPGSGD TYRPKRPTTLNLFQVPRSQDTLNNNSLGGKHSWQDRVSRSSSPLKTGEQTPPHEH  
ICVSDLESPQSGPAPTTGRGTSTDSPCRRSTATQMAPPGGPPAATPGGRGHSHRDRIHYQADVRLATEE  
IYLTPVQRPPDAAEPTSAFLPPTESRMSVSSDPDPAAYPSTAGRPHPSISEEEEEGFDCMSSPERAEPGG  
GWRGSLGEP PPPRASLSSDTSALSVDYKYLWVDEHAQLELVSLRPCFGDYSDSDSATVYDNCASVS  
SPYESAIGEEYEEAPRPQPPACLEDSTPDEPDVHFSKFLNVFMGRSRSSSAESFGLFSCIINGEEQE  
QTHRAIRFRVPRHEDELELEVDPLLVELQAEDYWYEAYNMRTGARGVFPAYYAEVTKPEHMAALAKN  
SDWVDQFRVKFLG SVQVPYHKGNVLCAMQKIATTRLTVHFNPPSSCVLEINVRGVKIGVKADDSQEA  
KGNKCSHFFQLKNISFCGYHPKNNKYFGFITKHPADNRFACHV FVSEDSTKALAESVGRAFQQFYKQFVE  
YTCPTEDIYLE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

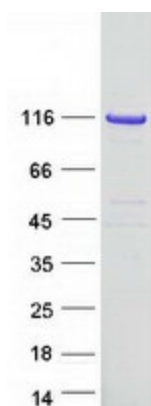
Tag:	C-Myc/DDK
Predicted MW:	77.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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<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_005447</a>
<b>Locus ID:</b>	9479
<b>UniProt ID:</b>	<a href="#">Q9UQF2</a> , <a href="#">Q6NUQ9</a>
<b>RefSeq Size:</b>	3234
<b>Cytogenetics:</b>	11p11.2
<b>RefSeq ORF:</b>	2133
<b>Synonyms:</b>	IB1; JIP-1; JIP1; PRKM8IP
<b>Summary:</b>	This gene encodes a regulator of the pancreatic beta-cell function. It is highly similar to JIP-1, a mouse protein known to be a regulator of c-Jun amino-terminal kinase (Mapk8). This protein has been shown to prevent MAPK8 mediated activation of transcription factors, and to decrease IL-1 beta and MAP kinase kinase 1 (MEKK1) induced apoptosis in pancreatic beta cells. This protein also functions as a DNA-binding transactivator of the glucose transporter GLUT2. RE1-silencing transcription factor (REST) is reported to repress the expression of this gene in insulin-secreting beta cells. This gene is found to be mutated in a type 2 diabetes family, and thus is thought to be a susceptibility gene for type 2 diabetes. [provided by RefSeq, May 2011]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	MAPK signaling pathway

### Product images:



Coomassie blue staining of purified MAPK8IP1 protein (Cat# [TP309734]). The protein was produced from HEK293T cells transfected with MAPK8IP1 cDNA clone (Cat# [RC209734]) using MegaTran 2.0 (Cat# [TT210002]).