

Product datasheet for TP309734M

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), 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA | >RC209734 protein sequence |
| Clone or AA Sequence: | Red=Cloning site Green=Tags(s) |

MAERESGGLGGGAASPPAASPFLGLHIASPPNFRLTHDISLEEFEDLSEITDECGISLQCKDTLSLRP
PRAGLLSAGGGGAGSRLQAEMQLMDLIDATGDTPGAEDDEEDDDEERAARRPGAGPPKAESGQEPASRGQ
GQSQGQSQGPGSGD TYRPKRPTTLNLFQVPRSQDTLNNNSLGKKHSWQDRVSRSSSPLKTGEQTPPHEH
ICVSDLESPQSGPAPTTGRGTSTDSPCRRSTATQMAPPGGPPAATPGGRGHSHRDRIHYQADVRLEATEE
IYLTVPVQRPPDAAEPTSAFLPPTESRMSVSSDPDPAAYPSTAGRPHPSISEEEEEGFDCMSSPERAEPGG
GWRGSLGEP PPPRASLSSDTSALSVDYKTLVWDEHAQLELVSLRPCFGDYSDSDSATVYDNCASVS
SPYESAIGEEYEEAPRPQPPACLEDSTPDEPDVHFSKFLNVFMSGRSRSSSAESFGLFSCIINGEEQE
QTHRAIRFRVPRHEDELELEVDPLLVELQAEDYWYEAYNMRTGARGVFPAYYAEVTKPEHMAALAKN
SDWVDQFRVKFLG SVQVPYHKGNVDLCAAMQKIATTRRLTVHFNPPSSCVLEINVRGVKIGVKADDSQEA
KGNKCSHFFQLKNISFCGYHPKNNKYFGFITKHPADNRFACHV FVSEDSTKALAESVGRAFQQFYKQFVE
YTCPTEDIYLE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

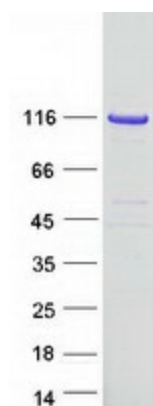
| | |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tag: | C-Myc/DDK |
| Predicted MW: | 77.3 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 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. |



[View online »](#)

| | |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_005447 |
| Locus ID: | 9479 |
| UniProt ID: | Q9UQF2 , Q6NUQ9 |
| RefSeq Size: | 3234 |
| Cytogenetics: | 11p11.2 |
| RefSeq ORF: | 2133 |
| Synonyms: | IB1; JIP-1; JIP1; PRKM8IP |
| Summary: | 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] |
| Protein Families: | Druggable Genome |
| Protein Pathways: | 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]).