

Recombinant Human MAPK8IP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MAPK8IP1-2748H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MAPK8IP1 MS Standard C13 and N15-labeled recombinant protein (NP_005447) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	77.5 kDa
AA Sequence	MAERESGGLGGGAASPPAASPFLGLHIASPPNFRLLTHDISLEEFEDDLSEITDECGI SLQCKDTLSLRPPRAGLLSAGGGGAGSRLQAEMLQMDLIDATGDTPGAEDDEEDD DEERAARRPGAGPPKAESGQEPASRGQGQSQQGSGDTPRKRPTTLNLF PQVPRSQDTLNNNSLGGKHSWQDRVSRSSSPLKTGEQTPPHEHICVSDLESPQSG

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PAPTTGRGTSTDSPCRRSTATQMAPPGGPPAATPGGRGHSRDRHYQADVRLEA
 TEEIYLTVPVQRPPDAAEPTSAFLPPTESRMSVSSDPDPAAYPSTAGRPHPSISEEEE
 GFDCMSSPERAEPPGGGWRGSLGEPPPPPRASLSSDTSALSYDSVKYTLVVDEHA
 QLELVSLRPCFGDYSDSDSATVYDNCASVSSPYESAIGEEYEEAPRPQPPACLSE
 DSTPDEPDVHFSKKFLNVFMSGRRSRSSSAESFGLFSCIINGEEQEQTHRAIFRFVPR
 HEDELELEVDDPLLVELQAEDYWYEAYNMRTGARGVFPAYYAIEVTKEPEHMAALA
 KNSDWVDQFRVKFLGSGVQVPYHKGNDVLCAMQKIATTRRLTVHFNPPSSCVLEIN
 VRGVKIGVKADDSQEAKGNKCSHFFQLKNISFCGYHPKNNKYFGFITKHPADNRFAC
 HVFVSEDSTKALAESVGRAFQQFYKQFVEYTCPTEDIYLETTRTRPLEQKLISEEDLAA
 NDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name MAPK8IP1 mitogen-activated protein kinase 8 interacting protein 1 [Homo sapiens (human)]

Official Symbol MAPK8IP1

Synonyms MAPK8IP1; mitogen-activated protein kinase 8 interacting protein 1; IB1; JIP1; JIP-1; PRKM8IP; C-Jun-amino-terminal kinase-interacting protein 1; IB-1; JNK MAP kinase

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scaffold protein 1; JNK-interacting protein 1; PRKM8 interacting protein; islet-brain 1

Gene ID 9479

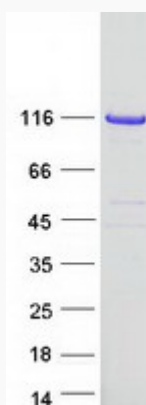
mRNA Refseq NM_005456

Protein Refseq NP_005447

MIM 604641

UniProt ID Q9UQF2

SDS-PAGE



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