



Recombinant Mouse C-Jun-amino-terminal kinase-interacting protein 1 (Mapk8ip1)

Product Code	CSB-YP894384MO
Abbreviation	Mapk8ip1
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9WVI9
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MAERESGLGG GAASPPAASP FLGLHIASPP NFRLTHDISL EEFEDLSE ITDECGISLQ CKDTLSLRPP RAGLLSAGSS GSAGSRLQAE MLQMDLIDAA GDTPGAEDDE EEEDDELAQAQ RPGVGPPKAE SNQDPAPRSQ GQGPGTGSGD TYRPKRPTTL NLFQVPRSQ DTLNNSLGG KHSWQDRVSR SSSPLKTGEQ TPPHEHICLS DELPPQGSPV PTQDRGTSTD SPCRRSAATQ MAPPSGPPAT APGGRGHSR DRIHYQADVR LEATEEYILT PVQRPPDPAE PTSTFMPPE SRMSVSSDPD PAAYSVTAGR PPHSISEEDE GFDCLSSPER AEPPGGGWRG SLGEPPIPPR ASLSSDTSAL SYDSVKYTLV VDEHAQLELV SLRPCFGDYS DESDSATVYD NCASASSPYE SAIGEEYEEA PQPRPPTCLS EDSTPDEPDV HFSKKFLNVF MSGRSRSSSA ESFGLFSCVI NGEEHEQTHR AIFRFVPRHE DELELEVDDP LLVELQAEDY WYEAYNMRTG ARGVFPAYYA IEVTKEPEHM AALAKNSDWI DQFRVKFLGS VQVPYHKGND VLCAAMQKIA TTRRLTVHFN PPSSCVLEIS VRGVKIGVKA DDALEAKGNK CSHFFQLKNI SFCGYHPKNN KYFGFITKHP ADHRFACHVF VSEDSTKALA ESVGRAQQF YKQFVEYTCP TEDIYLE
Source	Yeast
Target Names	Mapk8ip1
Protein Names	Recommended name: C-Jun-amino-terminal kinase-interacting protein 1 Short name= JIP-1 Short name= JNK-interacting protein 1 Alternative name(s): Islet-brain-1 Short name= IB-1 JNK MAP kinase scaffold protein 1 Mitogen-
Expression Region	1-707
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This protein is 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 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.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.