



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

<b>Product Code</b>	CSB-EP879514RA
<b>Abbreviation</b>	Mapk8ip1
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q9R237
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MAERESGLSG GAASPPAASP FLGLHIASPP NFRLTHDISL EEFEDLSE ITDECGISLQ CKDTLSLRPP RAGLLSAGSS GSAGSRLQAE MLQMDLIDAA SDTPGAEDDE EDDDELAQR PGVGPSKAES GQEPASRSQG QGQGPGTGSG DTYRPKRPTT LNLFPQVPRS QDTLNNNSLG KKHSWQDRVS RSSSPLKTGE QTPPHEHICL SDELPPQGSP VPTQDRGTST DSPCRRTAAT QMAPPSGPPA TAPGGRGSH RDRIHYQADV RLEATEEIIYL TPVQRPPDPA EPTSTFLPPT ESRMSVSSDP DPAAYSVTAG RPHPSISEED EGFDCLSSPE QAEPGGGWR GSLGEPPPP RASLSSDTSA LSYDSVKYTL VVDEHAQLEL VSLRPCFGDY SDESATSATVY DNCASASSPY ESAIGEEYEE APQPRPTCL SEDSTPDEPD VHFSKFLNV FMSGRSRSS AESFGLFSCV INGEEHEQTH RAIFRFVPRH EDELELEVDD PLLVELQAED YWYEAYNMRT GARGVFPAYY AIEVTKEPEH MAALAKNSDW IDQFRVKFLG SVQVPYHKGN DVLCAAMQKI ATTRRLTVHF NPPSSCVLEI SVRGVKIGVK ADEAQEAKGN KCSHFFQLKN ISFCGYHPKN NKYFGFITKH PADHRFACHV FVSEDSTKAL AESVGRAFQQ FYKQFVEYTC PTEDIYLE
<b>Source</b>	E.coli
<b>Target Names</b>	Mapk8ip1
<b>Protein Names</b>	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 JIP-1-related protein Short name= JRP
<b>Expression Region</b>	1-708
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	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.

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**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.

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**Shelf Life**

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