

## Recombinant Human MAPK8IP1 Protein, MYC/DDK-tagged

Cat. No. MAPK8IP1-378H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human MAPK8IP1 protein, fused to MYC/DDK tag at C-terminus, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>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].</p>
<b>Form</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
<b>Molecular Mass</b>	77.3 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

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## GENE INFORMATION

**Gene Name** mitogen-activated protein kinase 8 interacting protein 1 [ Homo sapiens ]

**Official Symbol** MAPK8IP1

**Synonyms** IB1; JIP-1; JIP1; PRKM8IP

**Gene ID** 9479

**mRNA Refseq** NM\_005456.3

**Protein Refseq** NP\_005447.1

**MIM** 604641

**UniProt ID** Q6NUQ9

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