Recombinant Human MAPK8IP1 Protein, MYC/DDK-tagged

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

SPECIFICATION

Product Overview	Recombinant human MAPK8IP1 protein, fused to MYC/DDK tag at C-terminus, was expressed in HEK293.
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. [provided by RefSeq, May 2011].
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Molecular Mass	77.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>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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