

Recombinant Human MAPK8IP2, His-tagged

Cat. No. MAPK8IP2-29843TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 569-797 of Human JIP2 with an N terminal His tag. Observed mwt: 30 kDa.
Species	Human
Source	E.coli
ProteinLength	569-797 a.a.
Description	The protein encoded by this gene is closely related to MAPK8IP1/IB1/JIP-1, a scaffold protein that is involved in the c-Jun amino-terminal kinase signaling pathway. This protein is expressed in brain and pancreatic cells. It has been shown to interact with, and regulate the activity of MAPK8/JNK1, and MAP2K7/MKK7 kinases. This protein thus is thought to function as a regulator of signal transduction by protein kinase cascade in brain and pancreatic beta-cells. Alternatively spliced transcript variants encoding distinct isoforms have been reported for this gene.
Conjugation	HIS
Tissue specificity	Expressed mainly in the brain and pancreas, including insulin-secreting cells. In the nervous system, more abundantly expressed in the cerebellum, pituitary gland, occipital lobe and the amygdala. Also expressed in fetal brain. Very low levels found in ut
Form	Lyophilised:Reconstitute with 142 µl aqua dest.

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Storage buffer	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	FSCLVNGEEREQTHRAVFRFIPRHPDELELDVDDPVLVEA EEDDFWFRGFNMRTG ERGVFPAFYAHAVPGPAKDLLGS KRSPCWVERFDVQFLGSVEVPCHQGNGILCAA MQKIATAR KLTVHLRPPASCDLEISLRGVKLSLSGGGPEFQRCSHF FQMKNISFCG CHPRNSCYFGFITKHPLLSRFACHVFVS QESMRPVAQSVGRAFLEYQEHLAYACP TEDIYLE
Sequence Similarities	Belongs to the JIP scaffold family.Contains 1 PID domain.Contains 1 SH3 domain.
GENE INFORMATION	
Gene Name	MAPK8IP2 mitogen-activated protein kinase 8 interacting protein 2 [Homo sapiens]
Official Symbol	MAPK8IP2
Synonyms	MAPK8IP2; mitogen-activated protein kinase 8 interacting protein 2; PRKM8 interacting protein like , PRKM8IPL; C-Jun-amino-terminal kinase-interacting protein 2; IB2; islet brain 2; JIP2; JNK interacting protein 2;
Gene ID	23542
mRNA Refseq	NM_012324
Protein Refseq	NP_036456
MIM	607755

Uniprot ID	Q13387
Chromosome Location	22q13.33
Pathway	MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem;
Function	MAP-kinase scaffold activity; beta-amyloid binding; kinesin binding; protein complex binding; protein kinase activator activity;

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