

Product datasheet for SC209745

JIP1 (MAPK8IP1) (NM_005456) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	JIP1 (MAPK8IP1) (NM_005456) Human 3' UTR Clone
Symbol:	JIP1
Synonyms:	IB1; JIP-1; JIP1; PRKM8IP
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_005456
Insert Size:	774 bp
Insert Sequence:	<p>>SC209745 3'UTR clone of NM_005456</p> <p>The sequence shown below is from the reference sequence of NM_005456. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p>

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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
TGCCCCACAGAAGATATCTACCTGGAGTAGCTGTGCAGCCCCGCCCTCTGCGTCCCCCAGCCCTCAGGC
CAGTGCCAGGACAGCTGGCTGCTGACAGGATGTGGCACTGCTTGAGGAGGGGCACCTGCCACCGCCAGA
GGACAAGGAAGTGGGGCCGCTGGCCCAGGGTAGGGGAGGGTGGGGCAATGGGGAGAGGCAAATGCAGT
TTATTGTAATATATGGGATTAGATTCTATCTATGGAGGGCAGAGTGGGCTGCCTGGGGATTGGGAGGGAC
AGGGCTTGGGGAGCAGGTCTCTGGCAGAGAAGGATGTCCGTTCCAGGAGCACACGGCCCTGCCCCATCC
TGGGCCTTACCTCCCCTGCCAGGGCTCGGGCGCTGTGGCTCCTGCCTTGATGAAGCCCGTGTCTGCCT
TGATGAAGCCTGTGCCACCTGCAAGTGCCCGCCCTGCCCTGCCCAACCCCAACCGAAGAGCCCTGAG
CTCAGGCTGAGCCAGCCACCTCCCAAGGACTTCCAGTGAGGAAATGGCAACACGTGGAGGTGAAGTC
CCTGTTCTCAGTCCGTCATCTGCGGGGCTTCTGGGTGGCTCCTGCCACTGACCTCACGGCATGCTGG
CCTGTGGCAGGCCTAGGACCTCAGGCGGGGAGGAGGAGCTGCCGAAGGCCCTGTCCCAGCAGAAGAGG
GAGGCTTCCTGACTGACACAGGCCAGCCCCATCTTGGTCCTGTCAACCCTGGCCCCAACTATTAAAGTGC
CATTTCTGTCTGGA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI


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OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_005456.4</u>
Summary:	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]
Locus ID:	9479
MW:	26.9