

Product datasheet for **RR215656**

Mapk8ip1 (NM_053777) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mapk8ip1 (NM_053777) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mapk8ip1
Synonyms:	Jip-1; JIP1; Mapk8ip
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR215656 representing NM_053777
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGCTGGTACTGAAGATGGATTCGAGCCCAGACAATGACAGCTGGTTGGAGGATCAGTGGGAACGCT
 GGCTCACCCATGATATCAGCCTGGAGGAGTTGAGGATGAAGACCTTTCGGAGATCACTGATGAGTGTGG
 CATCAGCCTGCAGTGCAAAGACACCTTGTCTCTCCGGCCCCCGCGCGCCGGGCTACTGTCTGCGGGTAGC
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 CTCGGGGCGCGAGGACGACGAAGAGGACGACGACGAGCTCGCTGCCAACGGCCAGGAGTGGGGCTTC
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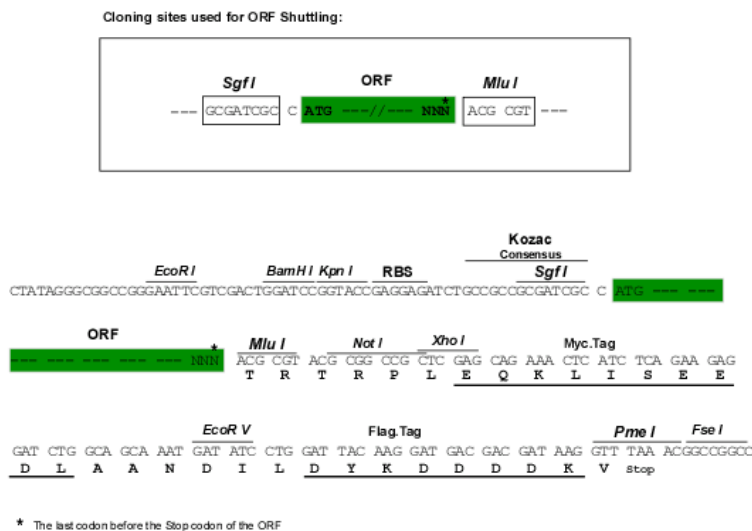
Protein Sequence: >RR215656 representing NM_053777
Red=Cloning site Green=Tags(s)

MQLVLKMDSSPDNDSWLEDQWERWLTHDISLEEFEDLSEITDECGISLQCKDTLSLRPPRAGLLSAGS
 SGSAGSRLQAEMLQMDLIDAASDTPGAEDDEEDDELAQRPGVGPSKAESGQEPASRSQGGQGPGTGS
 GDTYRPKRPTTLNLFQVPRSQDTLNNNSLGKKHSWQDRVSRSSSPLKTGEQTPPHEHICLSDELPPQGS
 PVPTQDRGTSTDSPCRRTAATQMAPPSPPPATAPGGRGHSHRDRIHQYQADVRLATEEIIYLTPVQRPPDP
 AEPTSTFLPPTESRMSVSSDPDPAAYSVTAGRPHPSISEDEGFDCSSPEQAEPGGGWRGSLGEPPPP
 PRASLSSDTSALSYDSVKYTLVVDEHAQLELVSLRPCFGDYSDESATSATVYDNCASASSPYESAIGEEYE
 EAPQPRPPTCLSEDSTPDEPDVHFSKKFLNVFMGSRSSSAESFGLFSCVINGEEHEQTHRAIFRFVPR
 HEDELELEVDPLLVELQAEDYWEAYNMRTGARGVFPAYYAEIVTKEPEHMAALAKNSDWIDQFRVKFL
 GSVQVPYHKNDVLCAMQKIATRRLTVHFNPPSSCVLEISVRGVKIGVKADEAQEAKGNKCSHFFQLK
 NISFCGYHPKNNKYFGFITKHPADHRFACHVFVSEDSTKALAESVGRAFQQFYKQFVEYTCPTEDIYLE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_053777

ORF Size: 2097 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_053777.1](#), [NP_446229.1](#)

RefSeq Size: 3003 bp

RefSeq ORF: 2100 bp

Locus ID: 116457

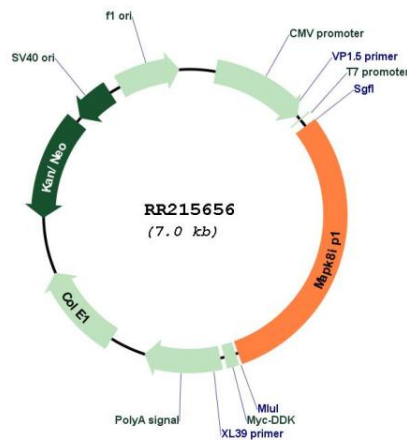
UniProt ID: [Q9R237](#)

Cytogenetics: 3q24

MW: 77 kDa

Gene Summary: may play a role in the SAPK mediated stress-induced cellular responses [RGD, Feb 2006]

Product images:



Circular map for RR215656