

Product datasheet for RR210920

Dusp1 (NM_053769) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dusp1 (NM_053769) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dusp1
Synonyms:	3CH134; CL100; MKP-1; Mkp1; Ptpn16
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR210920 representing NM_053769 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGATGGAGGTGGGCATCCTGGACGCCGGGGCTGCGCGCGCTGCTGCGAGAGCGCGCCGCTCAGT
GCCTGTTCTGGATTGTCGCTCCTTCTTCGCCTCAACGCCGCCACATCGTGGGCTCAGTGAACGTGCG
CTTCAGCACCATCGTGGCGCCCGCCAAAGGGGCCATGGGCCCTGGAGCATATCGTGCCGAACACCGAA
CTGCGCGCCCGCTGCTGGCCGGAGCCTATCACGCCGTAGTGCTGCTGGACGAACGACGCGCCCGCTGG
ACGGCGCAAGCGCGACGGCACCTGGCCCTGGCCGCGGGCGCGCTCTGCCGAGAAGCGCGCTCCACTCA
AGTCTTCTTCTCCAAGGAGGATATGAAGCGTTTTTCGGCTTCTGCCCTGAGCTGTGCGAGAAACAGTCC
ACCCCATGGGGCTCAGCCTCCCGCTGAGTACTAGTGTGCCTGACAGTGCAGAATCCGGATGCAGCTCCT
GTAGCACCCCTCTCTACGACCAGGGGGCCAGTGGAGATCCTGTCTTCTGTACCTGGGCAGTGCTTA
CCATGCTTCCCGAAAGATATGCTCGACGCCTTGGGTATCACTGCTTTGATCAACGTCTCGGCCAATTGT
CCTAACCCTTTGAGGGTCACTACCAGTACAAGAGCATCCCTGTGGAGGACAACCACAAGGCAGACATTA
GCTCCTGGTTCAACGAGCGGATTGACTTTATAGACTCCATCAAGGATGCTGGAGGAAGGGTGTGTTGCA
CTGCCAGGCCGGCATCTCCAGGTCAGCCACCATCTGCCTTGCTTACCTCATGAGGACTAACCGAGTGAAG
CTGGACGAGGCCCTTTGAGTTCGTGAAGCAGAGGCGGAGTATTATCTCCCCAACTTCAGCTTCATGGCC
AGCTGCTGCAATTTGAGTCCCAAGTACTGGCCCTCACTGTTCTGCAGAAGCTGGGAGCCCGCCATGGC
TGTCTTGACCGGGCACCTCTACTACAACGGTCTTCAACTTCCCTGTCTCCATCCCTGTTACCCACAG
AACAGTGCCTGAACTACCTTCAAAGCCCCATCACAACCTCTCCGAGCTGC

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR210920 representing NM_053769
 Red=Cloning site Green=Tags(s)

MVMEVGILDAGGLRALLRERAAQCLLLDCRSFFAFNAGHIVGSVNVRFSTIVRRRAKGAMGLEHIVPNT
 LRGRLLAGAYHAVVLLDERSAALDGAKRDGTLALAAGALCREARSTQVFFLQGGYEAFSASCP
 ELSKQS TPMGLSLPLSTSVPDSAESGSSCSTPL YDQGGPVEILSFLYLGSAYHASRKDMLD
 ALGITALINVSANCPNHFEHGYQYKSI
 PVEDNHKADISSWFNEAIDFIDSIKIDAGGRV
 FVHCQAGISRATICLAYLMRTNRVK
 LDEAFEFVKQRRSII
 SPNFSFMGQLLQFESQVLAPHCSAEAGSPAMAVLDRGTSTTTVFNFVPSIPVHPT
 NSALNYLQSPITTPSC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

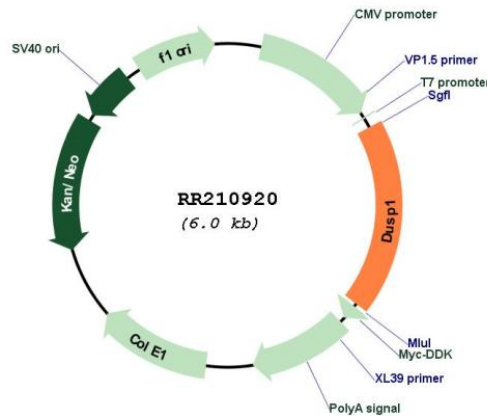
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_053769

ORF Size:	1101 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:	<ol style="list-style-type: none">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_053769.3 , NP_446221.2
RefSeq Size:	1940 bp
RefSeq ORF:	1104 bp
Locus ID:	114856
UniProt ID:	Q64623
Cytogenetics:	10q12
MW:	39.5 kDa
Gene Summary:	This gene encodes a protein that catalyzes the dephosphorylation and inactivation of MAP kinase, and may be involved in insulin mediated signalling. [provided by RefSeq, Jul 2008]