

Product datasheet for RN214870

Dusp5 (NM_133578) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dusp5 (NM_133578) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dusp5
Synonyms:	Cpg21
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN214870 representing NM_133578 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAAGGTCACGTCGCTCGACGGGCGCCGGCTGCGCAAGATGCTCCGCAAGGAGGCGGAGGCGCGCTGCG
TGGTGCTCGATTGCCGGCCCTACCTGGCCTTCGCGCGTCGAGCGTGCGCGGCTCGCTCAACGTCAACCT
CAACTCCGTGGTCTGCGCGGGCCCGGGCGGCGCGGTGTCTGCGCGCTACGTGCTGGCCGACGAGGCA
GCCCGCGCTCGGCTGCTGCAAGGAGGCGGCGGCGCGTGGCGGCGGTGGTCTGCTGGACCAGGGCAGCC
GCCACTGGCAGAAGCTGCGGGAGGAGAGTGCCGCGCGCTCGTCCCTACCTCGCTGCTGGCTGTCTGT
CGCCGGACCGCGGTCTACTTCCTTAAAGGTGGGTACGAGACCTTCTACTCACAGTATCCTGAGTGTGT
GTGGATGCGAAGCCATTTACAAGAGAAGCTCGAAGGTGAAAGAGGCCCTCTCAGCCAGTGCAGAAAGC
CCATTCTCAGCGTCGCCTACAGACCAGCTTATGACCAGGGTGGCCAGTTGAAATCCTTCCCTTCTCTA
CCTTGGAAAGTGCCTACCATGCATCCAAGTGCAGTTCTCGCCAACCTGCACATCACAGCCCTGTGAAT
GTTTCCCGCCGACCTCTGAGGCCTGCACAACCCACCTACACTACAAGTGGATCCCTGTGGAGGAGGAGG
ACACCGCCGACATTAGTCCCCTTCAAGAAGCAATAGATTTTATTGACTGTGTGAGGAGGAGGAGGAGG
CAAGGTCTGGTCACTGTGAAGCCGGGTCTCCCGGTGCGCCACCATCTGCATGGCTTACCTCATGAAG
ACCAAGCAGTTCCGCCTGAAGGAGGCTTCGAGTATATCAAGCAGAGGAGGAGCGTGGTCTCTCCCAACT
TTGGTTCATGGGACAGCTCCTGCAATGAGTCTGAGTCTGAGTCTGAGTCTGAGTCTGAGTCTGAGTCTGAG
CTCCTGCCAAGGGGAGGAGCCAGCTCCACCTTATAGGCCACTTACAGACACTGAGCCCTGATATGCAG
GGTGCCTACTGCACATCCCTACCTCAGTGTGGCACCAGGTGCCACCACGCCACCGTGCAGAGCTCC
ACAGGAGCCCGTGGCCACAGCCACATCTGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_133578
Insert Size:	1155 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_133578.1 , NP_598262.1
RefSeq Size:	2436 bp
RefSeq ORF:	1155 bp
Locus ID:	171109
UniProt ID:	O54838
Cytogenetics:	1q55
Gene Summary:	inactivates MAP kinase; may be involved in long term potentiation [RGD, Feb 2006]