

Product datasheet for **RR213577**

Dusp8 (NM_001108510) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dusp8 (NM_001108510) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dusp8
Synonyms:	Hb5; M3/6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RR213577 representing NM_001108510
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTGGGGATCGGCTCCCGAGGAAGGTGATGGATGCAAAGAACTGGCCAGCCTGCTGCGCGCGGGC
CCGGGGGCCCTTTGGTCATCGACAGTCGGTCCTTCGTGGAGTATAACAGCTGCCAGTGCTGAGCTCTGT
GAACATCTGCTGTTCCAAGCTGGTGAAGAGCGCCTTCAGCAGGAAAAGTGACCATTGCTGAGCTCATC
CAGCCTGCTGCGCGAAGCCAGGTGGATGCCACAGAACCACAGGATGTGGTGGTGTATGACCAGAGCACAC
GAGATGCCAGTGTCTGGCAGCAGACAGCTTCTGTCCATCCTGCTCAGCAAGCTGGACGGCTGCTTCGA
CAGTGTGGCCATCCTCACAGGAGGTTTTGCCACGTTCTCCTCCTGCTTCCCTGGCCTCTGTGAGGGCAA
CCTGCCACCTACCATCCATGAGCCTCTCTCAGCCCTGCCTGCCTGTGCCAGTGTGGCCTGACCCGAA
TCCTGCCTCACCTCTACCTGGGCTCTCAGAAAGACGTCTTGAACAAGGATCTGATGACCCAAAATGGAAT
AAGCTATGTCCTCAATGCCAGCAACTCCTGCCCTAAACCGGACTTCATCTGTGAGAGCCGTTTCATGCGT
ATCCCCATCAATGACAACACTGTGAAAAGCTGCCTGCCCTGGCTGGACAAGTCCATTGAGTTATTGATA
AAGCCAAGCTGTCCAGCTGCCAAGTCATCGTTCCTGCTGGCTGGCATTTCCTCGCTCTGCCACCATCGC
CATCGCGTACATCATGAAAACCATGGGCATGTCTTCTGACGACGCATACAGGTTTGTGAAGGATCGGCGC
CCCTCCATCTCGCCCAACTTCAACTTCTGGGCCAGTTGCTGGAGTATGAGAGGAGTCTGAAGCTGCTGG
CTGCCCTGCAGAGTATGGACCTCACTTGGGGACCCCTGAGCCCTCATGGGCCCGGCAGCAGGCATCCC
ACTGCCCCGGCTGCCACCATCTACCTCAGAGAGCGCTGCCACCGGGAGCGAGGCAGCCACTGCAGCCAAG
GAGGGCAGCCCTAGTGTGGAGGGGATGCTCTGATCCCCAGCACAGCTCCAGCGACCAGTGCACTGCAAC
AGGGCCTGCGTGGCCTGCACCTCTCCTCTGACCGCCTCCAGGACACCAACCGCCTCAAGCGCTCCTTCTC
CCTGGACATCAAGTCGGCCTATGCACCCAGCAGGAGGCCGACTTCCCGGCCACCCGACCCCGGTGAA
GCCCAAAGCTCTGCAAGCTGGACAGCCGCTCTGGGGCACACTGGGCCTGCCCTCGCCAGCCCGACA
GCCCGACTCCGTTCCAGAGTGCCGCCACGACCCCGCGGCGACGTCCTCCCGGTGAGTTCGCGGCCCG
CTCCCCGCTCATGGCCTGGCCCTAAACTTTGGAGACACGGCCCGCAGACTCCGCGGCACGGCCTCTCG
GCCCTGTGCGCGCCCGGGCTGCCTGGCCCTGGTCAGCCGCTCTGGCCCTGGGGCTGGGTGCCCCACTGG
ACTCCCCAGGCACACCGTACCCGACGGACCCTGGTGTCTCAGCCCCGAGGGCGCGCAGGGTCCAGGCGC
TGTGTTCTCCGCTTTGGCCGGGCGAGCGCAGGCGCACCTGGACCCGGTAGTGGCAGCAGCGGTGGCGGC
GGCGGCAGCAGCAGTAGCAGTAGTAGCAGCAGCGGCGACTGCGGCGCGGGATGTGCGGACCAGCT
GGCCCGAGGAGCCTGCTGCAGATGCACAGTTCAAGAGGCGCAGCTGCCAGATGGAGTTTCAAGAGGGCAT
GGTGGAGGGGCGGGCACGTGGCGAGGAGCTGGCAGCCCTGGGCAAGCAAACAGCTTCTCTGCGAGCGTG
GAGGTCATCGAAGTATCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR213577 representing NM_001108510
 Red=Cloning site Green=Tags(s)

MAGDRLPRKVMDAKKLASLLRGGPGGPLVIDSRFVEYNSCHVLSSVNICCSKLVKRRLLQQGKVTIAELI
 QPAARSQVDATEPQDVVVYDQSTRDASVLAADSFLSILLSKLDGCFDSVAILTGGFATFSSCFPLCEGK
 PATLPMSLSQPCLPVPSVGLTRILPHLYLGSQKDVLNKDLMTQNGISYVLNASNSCPKPDFICESRFMR
 IPINDNYCEKLLPWLDKSIIEFIDKAKLSSCQVIHCLAGISRSATIAIAYIMKTMGMSDDAYRFVKDRR
 PSISPNFNFLGQLLEYERSLKLALQSDGPHLGTPEPLMGPAAGIPLPRLPPSTSESAATGSEAATAAK
 EGSPSAGGDALIPSTAPATSALQQGLRGLHLSSDRLQDTNRLKRSFLDIKSAYAPSRPDPFGPPDPGE
 APKLCCLDSPSGGTLGLPSPDSDSPDVECRPRRRRPPVSSPARSPAHGLALNFGDTRQTPRHGLS
 ALSAPGLPGPGQPSGGGWPPLDSPGTPSPDGPWCF SPEGAQGP GAVFAFGRASAGAPGPGSGSSGGG
 GGSSSSSSSSGDLRRRDVRTSWPEEPAADAQFKRRSCQMEFEEGMVEGRARGEELAALGKQTSFSGSV
 EVIEVS

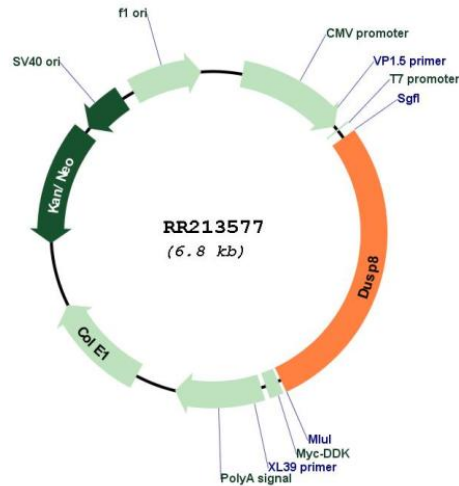
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001108510

ORF Size: 1908 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_001108510.1](#), [NP_001101980.1](#)

RefSeq Size: 2439 bp
RefSeq ORF: 1911 bp
Locus ID: 361679
Cytogenetics: 1q41
MW: 66.8 kDa