

Product datasheet for RR217497

Dusp27 (NM_001191929) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dusp27 (NM_001191929) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dusp27
Synonyms:	RGD1560598
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR217497 representing NM_001191929 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTACCAGTGGAGACACAGAGGAGGAGCAGGTAGTTCCAAACGAGGAGGATGAAGCCGACGTGAGAG
CTGTACAGGCCACTACCTCCGGAGTCCCTCCCAAGCCAGTACTCAGTGGTCTCAGACGCAGAACTGA
AAGTATTTTCATGGAGCCATCCATCTCTCCTCGCCGTAGCTGCCAAGCAGATCATCAACGAAGAACTC
AAGCCTCGGGTCTCAGAACAGACAGGAGTGCCAGGCATGCTGGAGTCTGCTGAACAGCTGCTGGTGG
AAGACCTGTACAACCGTGTCCGGGAGAAGATGGATGACAAAAGCCTGTTCAACACCCCTGTGTGCTGGA
CCTGCAGCGGGCACTGATCCAGGACCGCAAGAGGCCCTCGAATGAGGTGGACGAGGTCTGGCCAAAC
GTCTTCATAGCTGAGAAGAGTGTGGCTGTGAACAAGGGGCGACTGAAAAGGCTGGGAATCACCCACATCC
TGAACGCTGCCATGGCACTGGCGTTTACACTGGTCCCGAATTCTACACTGGCCTGGAGATCCAGTACCT
GGGGTGAAGTGGATGATTTCCAGAGGTGGACATCTCCAGCATTTCCGGAAGGCAGCTGAGTTTCTT
GATGAAGCCCTGCTGACCTATAGAGGAAAGTCTGGTCAGCAGTGAGATGGGTATCAGCAGGTGAGCAG
TGCTGGTGGTGCCTACCTGATGATCTTCCACAACATGGCCATCCTGGAAGCCTTGATGACTGTCCGCC
AAAGCGGGCTATCTACCCAACGACGGCTTCTCAAACAGCTGCGGGAGCTCAACGAGAACTGATGGAG
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CCAGGTCTCCAGCCAGTCACTTATTGATGAAGAGGAGGAAGAGAGGCTGTATGAGGAGTGGAGGAAG
GGCAGGGCTTCCCAAGGCTGAGGCTTCTCAGGGTAGAAAGGGTAGCTGTTCTGCGTCTCCGAGCAAG
ACGGGGACGACTGTGAGGATGGGCTGTGGAGAGGATAATCCAGGAGTGGCAGAGCCGAAATGAGAGGTA
CCAAGCCAAAGGGCACAAGCAGTGAATCGGGAGGAAGACGAGGAGGAAGAGAATCCTACACCAGCAGA
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AGCAAGAGGGAGGAGCTGGATGCCGATTCAGAGGCAGGGAGCAGGGTCCGAGAGGACGATGAGGAGAGTG



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TATTGTCCGAGGCCAGCTCCTTCTACAACCTTCTGCAGTAGGAACAAGGACAAGCTCACTGCCCTGGAAAG
 GTGGAAGGTTAAGAGAATCCAATTTGGATTTCAACAAGAAAGACTCAGAGGTGGTAGACGCGGGCAGTGAG
 GATGGTACGGAAGAGGCAACAGGAGAGAAGAACCTTTCTGATGTCAACCTGACAGCCTACCAGGCCCTGGA
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 AGCCGGTCCATGGGAAGCTGGGAGGGAGACAGCTCAACTGCCAGCAGGAGCATCCCCCTGTCTGCATTCT
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 TTACAAGTTCTCCAAATCTAGGTACAGGAACAGGACTCCTCCTCCACGAAACCGATGGCAACTGTG
 CGAAACACCTCCCGTCTCCTCTTCCACCACCAAGGAGGGCAGAGAGATGCACAAGTTCTCCAGGTCCA
 CATTACAGCAGACCTCGAGCTCCCGAGAGGAGAGCCAGAACCCTATTTCTTCCGCCAACCCCTGAACC
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 CTGAAGAGGAGGAGAGAAGGAGAGGACAGAAAACCGAGAGGAAGGGAGGTTTGCATCTGGGCGTAGTC
 CCAGTATCGGAGAAGCACAACCGGCAAGAGGAAGAAGAATGGATGATGAAGCCATCATTGCTGCTTGG
 AGAAAGCGGCAAGAAGAAACCAGAACCAAACCTGCAAGAAGGAGAGAGGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR217497 representing NM_001191929
 Red=Cloning site Green=Tags(s)

MATSGDTEEEQVVPNEEDEADVRAVQAHYLRSPSPSQYSVVSDAETESIFMEPIHLSAVAQKIINEEL
 KPRGLRDTTECPGMLSAEQLLVEDLYNRVREKMDKSLFNTPCVLDLQRALIQDRQEARNEVDEWVNP
 VFIAEKSVAVNKGRLKRLGITHILNAAHGTGVYTGPEFYTGLEIQYLQVEVDDFPEVDISQHFRAAEFL
 DEALLTYRGKVLVSSEMGISRSVAVLVAYLMI FHNMAILEALMTVRRKRAIYPNDGFLKQLRELNEKLME
 EREEEDDEEPEEDAGSTLGARVNSLMVEEEDDATSHLSGSSLGKASQVSPVTLIDEEEEERLYEWRK
 GQGFPAEASQGRKGSASSEQDGDCEGDAVERIIQEWQSRNERYQAKGHKQWNREEDEEEENSYSR
 RRRHTLSESSASESVSSHDIRVLKQQLKRTSQRHHRSDSESTESTWDMWNERLVEIEKEARKYRSK
 SKREELDADSEAGSRVREDDEESVLSEASSFYNFCSRNDKLTALERWKVKRIQFGFHKKDSEVVDAGSE
 DGTEEATGEKNLSDVNL TAYQAWLKHQKVGNGENKEEVVEMSKGEDTALAKKRQRRELLERSRQTL EE
 SRSMGWSWEGDSSTASRSIPLSAFWSAAPSVSVDGDTASVLSAQSQHSHLSQPASNMPPTPLPNLPVPGD
 TISIASIQNWIASVVNETLAQKQNEMLTL SRAPSVASMRAAPAASCLGDDQLSVLSTSLSGCLPPQSQR
 PSSDVQSVLSSSTSLTSRAEGSENKVRGTSKPIYSLFADNVNLKELGRKEKEMQMEQLQEKMSEYKMEKLA
 SDNKRSSLFKKKKAKDDEDISVGDREDDTDSAI GSFYSSRSNSQKPETDASSSLAISDFRNGRSVGNE
 VGSNINTWL SGLRMEEKSPQSDWSGSSRGRYSRSSLFRETESKSCSYKFSKRSQEQDSSFHETDGNTV
 RNTSRFSSSTTKEGREMHKFSRSTFSETSSREESPEPYFFRRTPEPSDGEESPELRRPNWTRPRDWEDV
 EESSKSDFAEFGAKRKFTQSFMRSEEEGEKERTENREEGRFASGRQSQYRRSTNRQEEEEMDDEAIIAAW
 RKRQEETRKLQRRRED

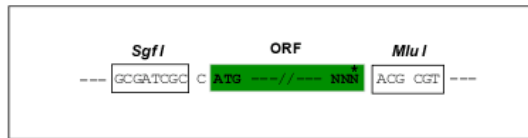
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

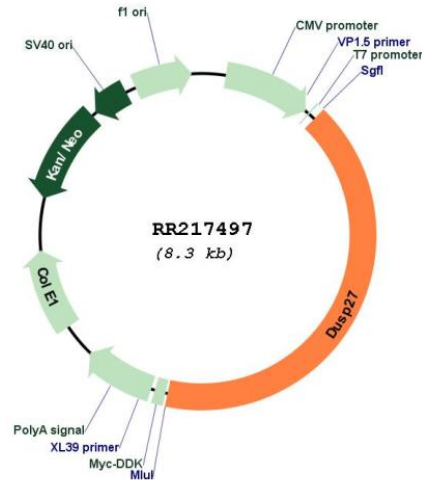
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001191929

ORF Size: 3411 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_001191929.1](#), [NP_001178858.1](#)

RefSeq Size: 3899 bp

RefSeq ORF: 3414 bp

Locus ID: 498267

Cytogenetics: 13q23

MW: 128.7 kDa