

## Product datasheet for **RR205241**

### Dusp12 (NM\_022248) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dusp12 (NM_022248) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dusp12
Synonyms:	GKAP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR205241 representing NM_022248 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTTGGAAGTACAGAGCTCTAACCATGGCTGCGAGCGTCAGGCTCCGACTACCAGCCCCGCCAGCTCGG  
CAGGGCACGCGGTGGAAGTGC GGCCGGCTGTATCTGGGTGGGGCGCGGCAGTGGCTGGACCGGACTA  
CCTGAGGGAGGGCGGCATCACCGCGTGCTGACGGTGGACTCGGAACCGGCTTTCCGGCCGGGGCTGGT  
TTCGAAGGTCTCCAGAGCCTCTTCGTGCCCGCGCTGGACAAACCCGAGACCGACCTGCTCAGTCACTGG  
ATCGGTGCGTGGCTTTCATCGGCCAGGCTCGCTCCGAAGGCCGTGCGGTGTTGGTGCAGTGTGCAGG  
AGTCAGCCGCACTGTTGCTGTAGTGACGGCTTTCATAATGAAGACCGAACAGCTTACCTTTGAAAAAGCC  
TATGAAAACCTCCAGACCATCAAGCCAGAGGCTAAGATGAATGAGGGGTTTCGAGTGGCAACTGAAGTCT  
ATGAGGCGATGGGACACGAAGTCCATACCTCCAGTGCCGTTTACAAGCAGTACCGTTTGCAAAAGGTGAC  
TGAGAAGTATCCAGAACTTCGGAATTTGCCTCGAGAACTTTGCTGTGCGACCAACTACCGTTTCAAA  
GGATTAAGATGACATCCTCTACAAATGTAGAAAGTGCAGGCGATCTTTATTTAGACGTTCCAGCATT  
TGGATCATAGTGAAGGAAGTGGCCAGTAGCCTTTGCTCACAAGAGAACAGGACTGTCTCCGTAATTAC  
CACAGGGAATCAGGCTCAGTGTACATCTTACTTCATCGAACCTGTGCAAGTGGATGGAGTCTGCTTTGTTG  
GGGTTATGGATGGACAGCTTCTTTGCCAAAATGCAGTGCCAAGTTGGGTTCTTTAACTGGTATGGTG  
AACAGTGTCTGTGGCCGATGGATAACCCCTGCTTTCCAATCCACAAGAACAGAGTGGATGAAGTGAA  
AACATTGCCAGCGCTGGGATCACAAACAAGAAACCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR205241 representing NM\_022248  
 Red=Cloning site Green=Tags(s)

MLEVQSSNHGGERQAPTSPASSAGHAVEVRPGLYLGGAAVAGPDYLREAGITAVLTVDSEPAFPAGAG  
 FEGLQSLFVPALDKPETDLLSHLDRCVAFIGQARSEGRAVLVHCHAGVSRVAVVTAFIGMTEQLTFEKA  
 YENLQTIKPEAKMNEGFWEQLKLYEAMGHEVHTSSAVYKQYRLQKVTEKYPELRNLPRELFVDPPTVSQ  
 GLKDDILYKCRKCRSLFRSSILDHSESGPVAFAHKRTGLSSVLTGNQAQCTSYFIEPVQWMEALL  
 GVMDGQLLCPKCSAKLGSFNWYGEQCSCGRWITPAFQIHKNRVDEVKTLPALGSQTKKP

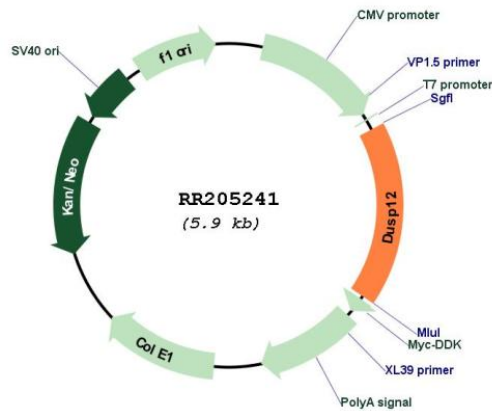
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_022248

ORF Size: 1017 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_022248.1</a> , <a href="#">NP_071584.1</a>
<b>RefSeq Size:</b>	1314 bp
<b>RefSeq ORF:</b>	1020 bp
<b>Locus ID:</b>	64014
<b>UniProt ID:</b>	<a href="#">Q9JIM4</a>
<b>Cytogenetics:</b>	13q24
<b>MW:</b>	37.2 kDa
<b>Gene Summary:</b>	cytosolic phosphatase that dephosphorylates glucokinase [RGD, Feb 2006]