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Product datasheet for RR205730

Dab2 (NM_024159) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dab2 (NM_024159) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dab2
Synonyms:	Doc-2; Doc2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RR205730 representing NM_024159
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCTAACGAAGTAGAAACAAGCACAACCAATGGTCAGCCTGACCAACAGGCTGCACCGAAAGCACCAT
CAAAGAAGGAAAAGAAGAAAGGTTCTGAAAAGACAGATGAGTATCTGTTGGCCAGGTTCAAAGGTGATGG
TGTAAAATACAAGGCCAAGCTAATCGGTATTGATGATGTGCCTGATGCGAGGGGAGACAAAATGAGTCAG
GATTCTATGATGAAACTCAAGGGAATGGCAGCAGCTGGTCGCTCTCAGGGACAGCACAAGCAAAGGATCT
GGGTCAACATTTCCCTGTCTGGCATAAAAATTATTGATGAGAAAACCGGGGTAATAGAGCATGAACATCC
AGTAAATAAGATTTCCTTCATTGCTCGTGATGTGACAGACAATAGAGCATTTGGTTATGTGTGTGGAGGA
GAAGGCCAGCATCAATTTTTTGCTATAAAAACAGGGCAACAGGCTGAACCATTAGTCGTCGATCTTAAAG
ACCTTTTTCAAGTTATCTATAATGTAAAGAAAAAGGAAGAAGAAAAGAAAAAGGTTGAAGAAGCCAACAA
AGCGGAAGAGAATGGGAGTGAGGCCCTAATGACCCTTGATGATCAAGCTAACAAACTGAAGCTGGGTGTT
GACCAGATGGATTTGTTTGGGGACATGTCTACACCTCCTGACCTAAATAATCCAACAGAAAGCAGAGATA
TCCTGTTAGTGGATCTAAACTCTGAAATCGACACCAATCAGAACTCTTTAAGAGAAAATCCATTCTTAAC
AAATGGAGTCACCTCCTGTTCTCTCCCTCGACCAAAGCCTCAGGCATCCTTCTTGCCTGAAAGTGCCTTT
TCTGCCAATCTCAACTTCTTTCCCACCCCTAATCCTGATCCTTTCCGTGATGATCCTTTCGCACAGCCAG
ACCAATCGGCACCCTCTTCGTTTCATTCTCTCACATCTGCAGATCAGAAGAAAGCGAATCCGGGTAGCTT
GTCTACTCCACAGAGTAAAGGGCCCTTGAACGGTGATACTGATTACTTTGGTCAGCAATTTGACCAGATC
TCTAACCGGACTGGCAAACAGGAAGCTCAGGGAGGCCCATGGCCCTATCCAAGTTCGCAAACCCAGCAAG
CAGTGAGAACTCAAAATGGGGTATCTGAAAAAGAACAGAACGGCTTCCATATCAAATCTTCCCCGAACCC
TTTTGTGGGAAGCCCTCCCAAAGGACTATCGGTACCGAATGGCGTAAAGCAGGACTTGGAAAGCTCTGTC
CAGTCCTCAGCGCATGACTCCATAGCCATTATCCCACCTCCACAAAGTACCAAACCAGGAAGAGGCAGGA
GGACCGCTAAGTCTTCAGCAAACGACCTGCTTGCTTCAGATATCTTTGCCTCAGAACCTCCAGGCCAGAT
GTCCCCCACAGGACAACCTGCAGTCCCACAGGCGAACTTTATGGATCTCTTCAAAACCAGTGCTCCTGCC
CCAATGGGGTCGGGGCCCCTCGTAGGTCTAGGTACTGTCCCAGTAACACCCCCCCAAGCAGGACCTTGGA
CACCTGTTGTCTTCACTCCTTCTACAACTGTGGTCCCAGGAGCCATAATAAGTGGCCAGCCTTCCGGTTT
TGGTCAGCCACTCGTCTTTGGTACAACCCCAGCAGTGCAAGTTTGGAATCAGCCTTCATCATTTGCAACT
GCAGCTTCCCCTCCACCCCCGGCAGTTTGGTGTCCTACCACATCTGTGGCACCCAACACTTGGTCATCCA
CAAGTCCCCTGGGGAATCCTTTTCAGAGTAGTAATATCTTTCCACCTTCCACCATATCCACTCAGTCCTT
TCCTCAGCCTATGATGTCCTCTGTTCTGGTCACACCTCCCCAACCACCTCCCCGAAATGGCCCACTAAAG
GACACTCTTAGTGATGCCTTCACTGGCTTAGACCCACTTGGGGATAAAGAGGTCAAGGAAGTGAAAGAAA
TGTTTAAGGACTTCCAGCTGCGGCAGCCACCTCTTGTACCCTCGAGGAAGGGGGAGACACCTTCCTCTGG
GACCTCAAGCGCCTTCTCCAGTTACTTCAACAATAAAGTTGGCATTCCTCAGGAGCATGTAGACCATGAT
GATTTTGATGCCAATCAACTGTTGAACAAGATTAATGAACCACCAAAGCCAGCCCCCAGACAAGGTGTCC
TCTCGGGTACCAAATCTGCTGACAATTCACTCGAGAACCCTTTCTCTAAAGGGTTCAGCTCAACAAACCC
CTCCGTGGTCTCTCAGCCTGCATCTTCTGATGCCCACAGGAGCCCTTTTGGAAATCCTTTTGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

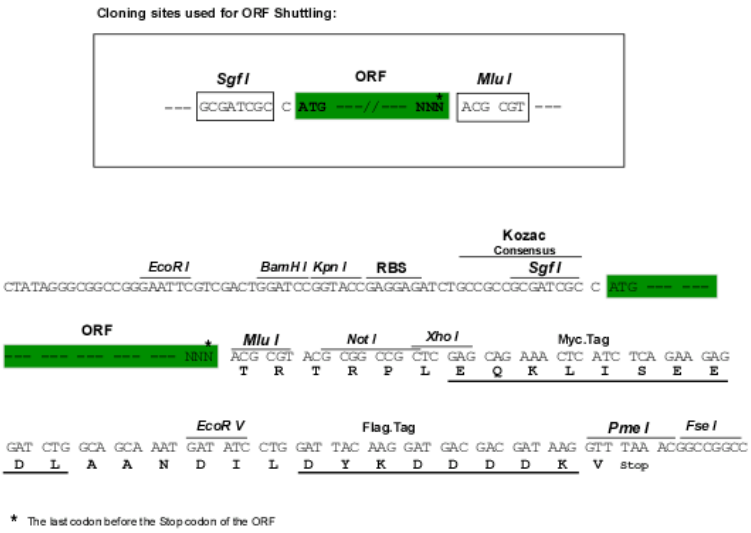
>RR205730 representing NM_024159
Red=Cloning site Green=Tags(s)

MSNEVETSTTNGQPDQQAAPKAPSKKEKKKGSEKTDEYLLARFKGDGVKYKAKLIGIDDVPDARGDKMSQ
DSMMKLKGMAAAGRSQGQHKQRIWVNISLSGIKIIDEKTGVIEHEHPVNKISFIARDVTDNRAFGYVCGG
EGQHQFFAIKTGQQAEPLVVDLKDLFQVIYNVKKKEEEKKKVEEANKAEENGSEALMTLDDQANKLKLGV
DQMDLFGDMSTPPDLNNPTESRDILLVDLNSEIDTNQNSLRENPFLTNGVTSCSLPRPKPQASFLPESAF
SANLNFFPTPNPDPFRDDPFAQPDQSAPSSFHSLTSADQKKANPGSLSTPQSKGPLNGDTDYFGQQFDQI
SNRTGKQEAQGGPWPYPSSQTQQAVRTQNGVSEKEQNGFHIKSSPNPFVGSPPKGLSVPNGVKQDLESSV
QSSAHDSIAIIPPPQSTKPGRGRRTAKSSANDLLASDIFASEPPGQMSPTGQPAVPQANFMDLFKTSAPA
PMGSGPLVGLGTVPVTPPQAGPWTPVVFTPSTTVVPGAIISGQPSGFGQPLVFGTTPAVQVWNQPSSFAT
AASPPPPAVWCPTTSVAPNTWSSTSPLGNPFQSSNIFPPSTISTQSFPQPMMSSVLVTPPQPPPRNGPLK
DTLSDAFTGLDPLGDKEVKEVKEMFKDFQLRQPPLVPSRKGETPSSGTSSAFSSYFNNKVGIPQEHVDHD
DFDANQLLNKINEPPKPAPRQGVLSGTKSADNSLENPFSKGFSSTNPSVVSQPASSDAHRSPFGNPFA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_024159

ORF Size: 2304 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_024159.1, NP_077073.1

RefSeq Size: 3170 bp

RefSeq ORF: 2307 bp

Locus ID: 79128

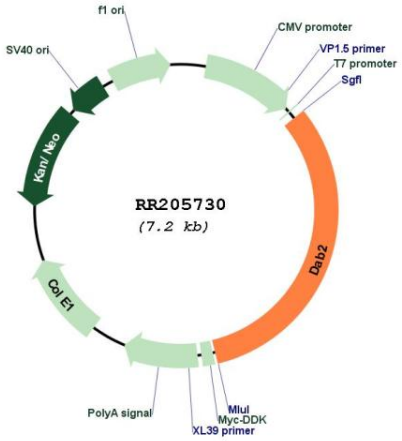
UniProt ID: O88797

Cytogenetics: 2q16

MW: 82.4 kDa

Gene Summary: p59 isoform inhibits growth in prostatic epithelial cells [RGD, Feb 2006]

Product images:



Circular map for RR205730