

Product datasheet for **RR202048**

Dhx9 (NM_001107184) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dhx9 (NM_001107184) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Dhx9
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR202048 representing NM_001107184
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGGGTGATATTAATAATTTTCTGTATGCCTGGTGTGGCAAAGGAAGATGACTCCAGCCTATGAAATTA
GAGCAGTAGGAAACAAAAACAGACAGAAATTCATGTGTGAGTTTCGAGTAGAAGGGTTAATTATGCTGG
TATGGGCAATCCACCAATAAGAAAGATGCACAGAGCAATGCTGCCAGAGACTTCGTTAACTATTTGGTT
CGAATCAATGAAGTCAAGAGTGAAGAAGTTCCTGCTGTTGGGATTGTACCACCCCACTACTTACTAGT
ACACATCTGATAGCACAGCAAGTACTGGAGAAGGCTTACCACCACCCATGGGAGGACCACTTCTCTCTCA
TCTGGCTCTCAAAGCAGCAGAAAAATAATCTGGAGTTGAGTCTTCATCTGGCTATGGTTCTCCTGGACCC
ACCTGGGACCGAGGAGCCAACCTAAAGGATTACTACTCAAGAAAGGAAGAGCAAGAGGTGCAAGCGACTC
TAGAGTCAGAAGAAGTGGATTTAAATGCTGGGCTTCATGGAACTGGACTTTGGAAAATGCTAAGGCTCG
TCTGAACCAAGTATTTCCAAAAAGAAAAATCCAAGGAGAATAAAGTACACCAAGTGGTCCCACCAC
AACAGGAGCTTTATTGCAGAAATGACCATTTATCAAGCAGTTGGCAGAAGGATTTTTGCACGTGAAC
ATGGATCAATAAGAAATTAGCAGCACAGTCATGTGCCCTCTCACTAGTCCGACAACCTATCATCTTGG
AGTGATTGAAGCTTACTCTGGTCTTACAAAGAAGAAAGAGGAGAGAGAGTGGAGCCTTACAAAGTTTTT
CTTTCCCAAGATTTGGAGCTTCAGTTGCAAAATGTGGTTCAAGAGCTAGATCTGGAAATGTTCCCCAC
CTGTTGATCCTTCTATGCCAGTTATACTCAACATTGGGAAATGGCTCATTTTGAACCATCTCAGAGGCA
AAATGCAGTGGGAGTGGTTCCCTGGTCAACCCACAGTCCAACCTGGAATCCTTGGACAAGTAGCAACATT
GATGAGGGGCCCTTGCCTTATGCTTCTACAGAACAATAAGCATGGACCTTAAGAATGAATTAGCATACC
AGATGGAACAGGATCATAATTTACAGAGTGTGTTACAAGAGAGAGAGTGGCTTCTGTGAAGAAATTTGA
AGCTGAAATCTGGAAGCCATTAGTCAAATTCAGTTGTGATTATCCGAGGGGCTACTGGTTGTGGTAAA
ACCACGCAAGTTCCACAATACATTTTGGATGACTTCATCCAGAATGACAGAGCAGCTGAGTGAATATTG
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TCCTGAAGTTCGATTGTTCTTATGTCTGCAACTATTGATACCACCATGTTCTGTGAATATTTCTTCAAT



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TGCCCATCATTGAAGTTTATGGAAGGACTTTCCAGTTCAGAATATTTCTGGAAGATTGCATTCAGA
 TGACCAATTCATTCTCTCCTCAAAGGACAAGAAAAAGGATAAAGAGGATGATGGTGGTGAAGATGA
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 TGCTGCTACCTGCTTTCCAGAGCCCTTATCAGTGAAGGGAAGCGCTTGGGTACATACATCGGAATTTT
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 GGAAGCCAAAGTACAGCTTAAAGAGATACTGATTAACCTCTGGCTTCCAGAAAGTTGTTTATTGACACAA
 GTGTTTACTAACACTGGACCAGATAATAATTTGGATGTTGTTATCTCTTTGCTGGCTTTTGGTGTGACC
 CCAATGTATGCTATCATAAAGAGAAGAGAAAGATTCTTACCCTGAAGGTCGTAATGCACCTATCCACAA
 GTCTTCTGTGAAGTGTCTTTTAGCAGCAAGACATGAAGTACCCATCTCCTTTCTTTGTTTTGGTGAA
 AAGATTGAAACCCGAGCCATCTCTGCTAAAGGCATGACCTTAGTGACCCCTTACAATTACTTCTCTTTG
 CCTCAAGAAAGTCCAGTCTGATGGTCAGATCGTGTATATAGATGACTGGATCAGATCAAAATCACA
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 GGCCCGATACGATAATGGAATA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR202048 representing NM_001107184
 Red=Cloning site Green=Tags(s)

MGDIKNFLYAWCGKRKMPAYEIRAVGNKNRQKFMCEVRVEGFNYAGMGNSTNKKDAQSNAARDFVNYLV
 RINEVKSEEVPAVGIVPPPPILSDTSDSTASTGEGLEPPPMGGPLPPHLALKAENNSGVESSGYGSPGP
 TWDRGANLKDYYSRKEEQEVQATLESEEVDL NAGLHGNWTL ENAKARLNQYFQKEKIQGEYKYTVQVDPH
 NRSFIAEMTIYIKQLGRRIFAREHGSNKKLAAQSCALSLVRQLYHLGVIEAYSGLTKKKEGERVEPYKVF
 LSPDLELQLQNVVQELDLEIVPPPVDPSMPVILNIGKLAHFEPQRQNAVGVVPPWSPQSNWNPWTSSNI
 DEGPLAYASTEQISMDLKNELAYQMEQDHNLSVLQERELLPVKKFEAEILEAISQNSVVIIRGATGCGK
 TTQVPQYILDDFIQNDRAAECNIVVTQPRRISAVAVAERVAERGEREPEGKSCGYSVRFESILPRPHASIM
 FCTVGLLRKLEAGIRGISHVIVDEIHERDINTDFLLVVLRDVVLAYPEVRIVLMSATIDTMTFCEYFFN
 CPIIEVYGRTPVQEFYLEDICIMTQFIPPPKDKKKKEDDGGEDDDANCNLICGDEYGPETKLSMSQL
 NEKETPFELIEALLKYIETLNVPGAVLVFLPGWNLITYMQKHLNNSHFGSHRYQILPLHSQIPREEQRK
 VFDVPDGVTKVILSTNIAETSITINDVVYVIDSCKQKVKLFTAHHNMNTNYATVWASKTNLEQRKGRAGR
 VRPGFCFHLCSRARFDRLETHMTPEMFRPLHEIALSIKLLRLGGIGQFLAKAIEPPPLDAVIEAEHTLR
 ELDALDANDELTPLRILAKLPIEPRFGKMMIMGCIIFYVGDVAVCTISAATCFPEPFISEGKRLGYIHRNF
 AGNRFSDHVALLSVFQAWDDARMSGEEAEIRFCEQKRLNMATLRMTWEAKVQLKEILINSGFPEDCLLTQ
 VFTNTGPDNLDVVISLLAFGVYPNVVYHKEKRKILTTEGRNALIHKSSVNCPPSSQDMKYPSPPFFVGE
 KIRTRAISAKGMLVTPQLLLFASKKVQSDGQIVFIDDWIRLQISHEAAACITALRAAMEALVVEVSKQ
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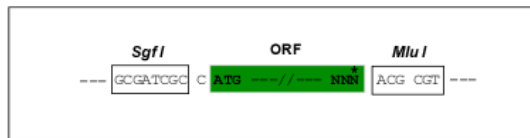
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

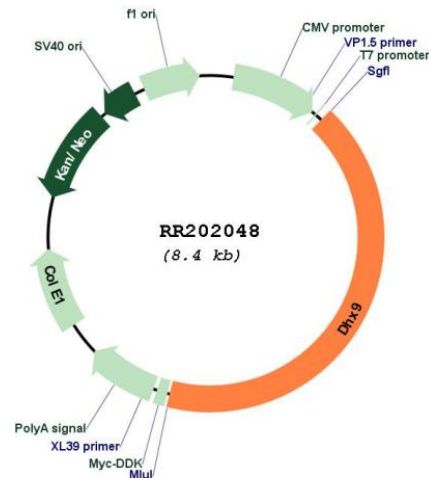
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001107184

ORF Size: 3522 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_001107184.1](#), [NP_001100654.1](#)

RefSeq Size: 4205 bp

RefSeq ORF: 3525 bp

Locus ID: 304859

Cytogenetics: 13q21

MW: 131.7 kDa