

## Product datasheet for **RR210690**

### Dhx37 (NM\_001105926) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dhx37 (NM\_001105926) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Dhx37  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR210690 representing NM\_001105926  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGATCGCC

ATGGGGAAGCTGCGACGCCCTACAACGTGAAGGGCGGCTGCAGGCGGAATCCCGGCCCGCAAGGGTC  
 CTGAAGCGCCTCCCGTGGCTGGAGCTGGAGGACAAGGATGTGTTGAAAGGGGTAGATGCCAGCAACGC  
 CCTGGTGTCTGCCGGGAGGAAGAAGAAGACCAAGGCGCCTCCTCCATCCAAGAAAGAGAGGAAGCC  
 CTGACGAAGAAGGAGAGGAAGGTGCTACAGAAGGTCTTAGAACAGAAGGAGAAGAAGAGCCAGCGTGCCG  
 AACTGCTCCAGAACTGAGTGAAGTCCAAGTGTGCGGAGGCCGAAATGAGTCTGTTCTACACCACAGCCAA  
 GCTAGGACCGGGGACCGCATGTATCATCAAAGAGAGGAAGCCTGACCAGCCTGCTGCCAGGGCCAG  
 GAGAAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT  
 AGGCTTCAAGATTCAGAGCCTGAGGAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT  
 AGTGCATCCGCCACCAGTACTTCTGAGATCAAGAGCCCTGTACCCACCCACAGCCCCCTCCACCTGGG  
 ACCTCTGCACCTCCAGAAACCCAGCCTCTGCCCGCCTCCAGCCCTGGCCAAGCCAGCTGTGTTTATCC  
 CCGTGAACCGCACCCCTGAAATGCAGGAGGAGCGGCTCAAGCTCCCGATCCTCGTGAAGAGCAAGCCAT  
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 GCGTCTACACAGACATCCTTCTCGGCCTCTGTCCGAATTGTGGCTCTCCGGCCAAGAGGCACCTGCC  
 GCTTAAGTGTCTCATGTCTGCCAGCTCCGGGTAGAGGACTTCAACCAGAACCAGCGGCTCTTACC  
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 GGACAAGGGCTAGGAAGGCCAGGCCATGGCCTTGCCCCAGATCAACCTGGACAATTACTCTGTACTGCC  
 AGCCGGCAAGGCGATGAGGACAGGGAGGAGATGGACGACGAGGAGGAGGCCCTGGGCTCTGACCTA



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GATCTGGACCTTGGTGACAGTGAGGCAAATGAAGGTGAGCAGCCAGATGCCTCCCTGCCCTTCACGTGC  
 TCCCACTACTCTTTGCTGGCTCCTGAGAAGCAGGCACAGGTCTTCAAACCTCCTCCAGAGGGGACGAG  
 GCTGTGCGTTATAGCCACCAATGTGGCCGAAACATCCCTCACCATCCCGGTATCAAGTATGTGGTAGAC  
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 TTCAGAGTGAGGACCTGCTGGACCCCAAGTGGAAGAATGCCTACAAGACCCCTTCTTAGATGACCCCGT  
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 CCTATTGAGAGCCCTTGTGGCCAGAAGGCTGATTCCCGTATTCCCTGCTGGTGCATGGAAAGAAAAC  
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ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR210690 representing NM\_001105926  
 Red=Cloning site Green=Tags(s)

MGLRRRYNVKGRQLQAESRPAGKPEAPPVRLLEDKDVLLKGVNASNLVLPGRKKKTKAPPPSKKERK  
 LTKKERKVLQKVLQKEKKSQRAELLQKLESEVQVSEAEMSLFYTTAKLGTGDRMYHIKERKPDQAAQGG  
 EKVSSLGAHRKRHRSSSTEEDSEASEDSEPEEVTADQPRSTGADLVHPPPATSEIKSPVPTQPPPPG  
 TSAPPETPASAPPALAKPAVFIPVNRTPEMQEERLKLPIIAEEQAIMEAVAHEPIVIVCGETGSGKTTQ  
 VPQFLYEAGYSSSEDSIIGVTEPRRVAAVAMSQRVAKEMNLSHRVVSQYIRYEGNVTEETRIKFMTDGVL  
 KEIQKDFLLKLVVVIDEAHERSVYTDILLGILLSRIVALRAKRHLPLKLLIMSATLRVEDFTQNQLFT  
 TPPPVIKVESRQFPVTVHFNRTPLDYSGECFRKVKIHRMLPAGGILVFLTGQAEVHALCRRLRKAFF  
 IRCSQPQEMEEDSAEGMRRFKSRTRARKAQAMALPQINLDNYSVLPAGEGDEDREAEMDDEEALGSDL  
 DLDLGDSEANEQEPPDASLPLHVLPLYSLLAPEKQAQVFKPPPEGTRLCVIATNVAETSLTIPGIKVVVD  
 CGKVKKRYDRVTGVSSFRVTWVSQASADQRAGRAGRTEPHCYRLYSSAVFGDFEQFPPEITRRPVED  
 LILQMKALNIEKVINFPFPTPPSVEALIAAEELLIALGALQAPPKQERMKKLQMSQLSCPITALGRMTST  
 FVPVAPRYAKMLALSQQHGCLPYTIAIIVAAMTVRELFEELDRPAASEEELAELKGRRTRVAQMKRTWAGQG  
 ASLKLGLDMVLLGAVGACEYAGCSPQFCQANGLRYKAMLEIRRLRGQLTAVNAVCPAEGFLDPKMQPP  
 TESQVTYLRQIMAAGLDHLARRVQSEDLLDPKWKNAYKTPLLDDPVFIHPSSVLFRELPFVYQEI  
 TTKMYMKGVSTVEIQWIPSLPSYCQFDAPLEEPPTYCPESGRVLCRASVYFVYVWPLPAVQVDFPEG  
 IDRYKYFARFLLLEGQVFRKLASFKSCLLSSPNTMLKTWARLQPRTELLRALVAQKADSRDLSLLAAWKN  
 PKYLLAEYCEWLPKAMHGDVEKNWPPTDR

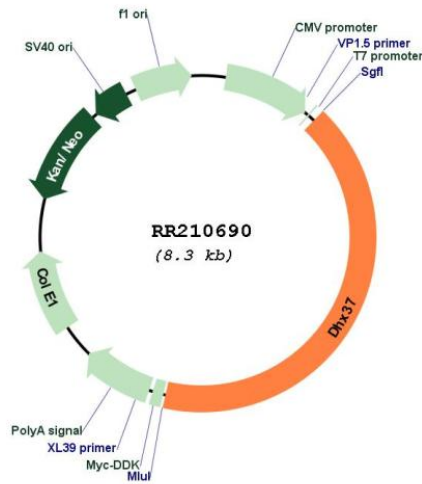
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001105926

ORF Size: 3450 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.

<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>	<u>NM_001105926.2, NP_001099396.2</u>
<b>RefSeq Size:</b>	4177 bp
<b>RefSeq ORF:</b>	3453 bp
<b>Locus ID:</b>	288647
<b>Cytogenetics:</b>	12q14
<b>MW:</b>	128.6 kDa