

Product datasheet for **RR214032**

Dnajc14 (NM_053690) Rat Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Dnajc14 (NM_053690) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Dnajc14 |
| Synonyms: | Drip78 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>RR214032 representing NM_053690
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCCAGAAGCACCCGGGAGAAAGAGGGTTGTGTGGAGTCCACCACAGTGGTGGTTCCTCCCTCATT
 CATCAGGATCCTCTGTGGACCCGAAATACTTTTATTCTCAGGACTCAGGGACTCGAAAGAGACTGCTCC
 TAATGGTACACGCTGCCTCAAAGAGCACTCCGACCCTAAGTGCACACAACCTCCAAACCCAGCCACTGG
 TCGGATCCAAGCCATGGTCTCAAGGGGTCCAGGACCACCTAGAGAAGGAGGCTACCCTGATGAGAGCG
 AGACATGTTTCGGAAGAGTCAGGAGTGGACCAGGAACTCTCAAGAGAGAATGAGACTGGGTACCAGGAGGA
 TGGGAGTCTTTTCTTCCATTCCATCTGCTTGTAACTGCCAGGGAAGCCCTGGGGTCCCTGAAGGG
 ACTTGTCTGAGGAAGGAGACGGCTCTTCTAGCAGCTTTTCCACCCTGCACCTCTCCAGCCTTGGGGG
 AAGATGAAGAGTTAGAAGAAGAATACGATGATGAGGAACCTCTTAAATTTCCAGTGATTTTTACGTGT
 GTCCAGTGAAAGAAACCCCGTCCCGAAGGCAGAGGCACCGTTTTCTGACCAAGGAGGATGTTCCGGAC
 AGTGGACGCAGAGATCCCAAGGCCCCAGGCCGTATCGGCTGGCCGAAAACGAAGTCAGACAGATAAGC
 GCAGAGGCCTGGGACTGTGGGGAGTAGAGGAACATATGTCAGCTTGGACAGGCAGGCTTCTGGTGGCTGAT
 TGAAGTGTGGTATTGGTGGGAGAGTATGTGAAACCTGTGGCTATCTCATTACGCATGCAGGAAGTTG
 AAAGGCAGTGACCTGGACCTTTTCCGAATCTGGGTGGGGGTCTGGGCCAGGAGATTGGGGGGCTGGGCC
 GAGTGTGTTCCAGTTTCTAAGTCAGAGCTTCTCAGTGTGGCAGGGCTGTTTCATCCGTTTGGCTTAGGGT
 AGTGGGTGCTTTCTCCTCCTGGCTCTAGCCCTTTTTGGGGTGTCTGCAGTTGGGCTGGAGGTTTTTG
 GTGGGACTGGGCGACCGCTAGGCTGGAGGGTAAGGCCGCTTGGCTGTTCTCGTGGCTGGATTCTCCAG
 CTTTGCATATTTCTTGACTCTGCTGAAAGATAGCAGACCATGGCAGCAGCTGGTGAGAGTAATTCCAGT
 GGGCTGGCTAGAGCTGCCCTGGGTCAAGCAGAGGACTCAGAGGCAGGGCACTGCCATGTAGCTAGCGGG
 CGATACTGCCAGCCTGAAGAGGAAGTCGCCGACTCTTGACCATGGCAGGGGTTCTGAAGATGAACTAA
 ACCTTTTTCTGTGCTGGGGTTGAAGCTACAGCATCCGATATTGAACTAAAGAAGGCCTATAGGCAGCT
 AGCGGTGATGGTCCATCCTGATAAAAAATCACCATCCCGGGCTGAGGAGGCCTTTAAAGTTTTGCGGGCA
 GCTTGGGACATCGTCAGCAATCCAGAGAGGCGGAAGGAATATGAGATGAAACGGATGGCAGAGAATGAGC
 TCAGCCGCTCGGTGAATGAGTTTCTGTCGAAGCTACAAGATGACCTCAAGGAGGCAATGAATACGATGAT
 GTGCAGCCGTGCCAAGGAAGCATAGGAGTTTGAATGGACCGGAACCAAGAGTGCCAGATACTGT
 GCCGAGTGTAAACAGTTGCATCCTGCTGAGGAAGGAGACTTCTGGGCAGAGTCAAGCATGTTGGGCCTCA
 AGATCACCTACTTTGCACTGATGGATGGGAAGGTGATGACATCACAGAGTGGGCTGGATGCCAGCGTGT
 GGGCATCTCCCCAGATACCCACCGAGTTCCTTACCACATCTCATTGGTTCTCGGTACCAGGCACCAGC
 GGCCGACAAAGGGCCACTCCAGAGTCCCCTCCTGCTGACCTGCAGGATTTCTTGAGCCGGATCTTTCAAG
 TACCTCCAGGGCCGATGTCCAATGGGAACCTTTTCCCGCACCTCACCTGGCCCTGGGACTACTTCAAC
 CTCCAGGCCAACAGTTCAGTACCCAAGGGAGAAGCCAAACCTAAACGGCGGAAGAAAGTGAGGCGGCC
 TTCCAACGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR214032 representing NM_053690
 Red=Cloning site Green=Tags(s)

MAQKHPGERGLCGVHHSGGSSSLITSGSSVDPEILSFSGLRDSKETAPNGTRCLKEHSDPKCTQPPNPAHW
 SDPSHGPPRPGPPREGGYPDESETCSEESGVDQELSRENETGYQEDGSPSFLP IPSACNCQGS PGVPEG
 TCSEEGDGS SSSFC HHCT SPALGEDEELEEYDDEEPLKFP SDF SRVSSGKKPPSRQRHRFLTKEDVRD
 SGRDRPKAPGRHRLARKRSQTDKRRGLGLWGVEELCQLGQAGFWLIELLVLVGEYVETCGYLIYACRKL
 KGSDDLDFRIWGVWARRLGGWARVMFQFLSQSFFSVAGLFI RLLRVVGAFLLLALALFLGCLQLGWRFL
 VGLGDRLGWRGKAAWLFSWLDSPALHHFLTLLKDSRPWQQLVRVIQWGWLEL PWVKQRTQRQGT AHVASG
 RYCQPEEEVARLLTMAGVPEDELNPFHVLGVEATASDIELKKAYRQLAVMVHPDKNHHPRAEEAFKVLRA
 AWDIVSNPERRKEYEMKRMAENELSRVNEFLSKLQDDLKEAMNTMMSRCQGKHRRFEMDREPKSARYC
 AECNRLHPAEEGDFWAESSMLGLKITYFALMDGKYYDIT EWAGCQRVGISPDTHRVPYHISFGSRVPGTS
 GRQRATPESPPADLQDFLSRIFQVPPGPM SNGNFAAPHPGPGTTSTSRPNSSVPKGEAKPKRRKKVRRP
 FQR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_053690

ORF Size: 2109 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_053690.2](#), [NP_446142.2](#)

RefSeq Size: 2936 bp

RefSeq ORF: 2112 bp

Locus ID: 114481

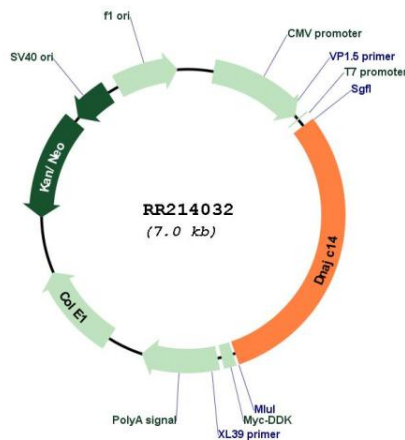
UniProt ID: [Q5XIX0](#)

Cytogenetics: 7q11

MW: 79 kDa

Gene Summary: ER-membrane-associated protein; may be involved in ER export regulation of a GPCR [RGD, Feb 2006]

Product images:



Circular map for RR214032