

Product datasheet for **RG222220**

DNAJC14 (NM_032364) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNAJC14 (NM_032364) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DNAJC14
Synonyms:	DNAJ; DRIP78; HDJ3; LIP6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG222220 representing NM_032364
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCCAGAAGCACCCCGGAGAAAGAGGGTTGTATGGAGCCACCACAGTGGTGGTGCCTCCCTCAGGA
 CTTTAGGACCCTCCGTGGACCCTGAAATACCTTATTCTCAGGACTCAGGACTCAGCAGGACTGCTCC
 TAATGGTACCCGCTGCCTCACAGAGCACTCTGGTCCCTAAGCACACACAGCACCCAAACCCAGCCATTGG
 TTGGACCAAGCCATGGCCCCCAGGGGTCCAGGACCACCTAGAGATGCAGAGGACCCTGATCAGAGTG
 AGACGTCTTCAGAAGAAGAATCAGGAGTGGACCAGGAACCTCAAAGAAAACGAGACTGGGAACAGAA
 GGATGGAACTCTTTCTTTCCATTCCATCTGCTTGAACCTGCCAGGAAACACCTGGAATCCAGAAGGG
 CCTTACTCTGAGGGAGAAATGGTTCTTCTAGCAACTTTTCCACCCTGTACCTCTCCAGCTTTGGGGG
 AAGATGAGTTGGAAGAGGAATATGATGATGAAGAATCTCTCAAGTCCCCAGTGATTTTTCGCGTGTGC
 CAGCGGAAAGAAACCCCATCCCGGAGACAGCGCACCGCTTTCCAACGAAAGGAGGATATCGGGAGGGT
 GGACGTAGGGATCCCAGTCCCCCTGGTCGACATCGGCTGGTTCGAAACGAAGTCAGGCAGATAAGCGCA
 AAGGCCTGGGATTGTGGGAGCCGAGGAACTATGTCAACTTGGACAGGCAGGCTTTTGGTGGCTGATTGA
 ACTGCTGGTATTGGTGGGAGAGTACGTAGAAACTTGTGGCCATCTCATCTATGCCTGCAGGCAACTGAAA
 AGCAGTGATTTGGACCTTTTTCGAGTTTGGATGGGAGTGTGGACAGGGCGGTTAGGGGGCTGGGCCAGG
 TCATGTTTCAGTTTCTAAGCCAGGGGTTTACTGTGGAGTAGGACTGTTTACTCGTTTTCTTAAGCTGCT
 GGGTGTCTTGTCTCCTGGCTCTGGCCCTCTTTTGGGCTTTCTACAGTTGGGATGGCGGTTTCTGGTG
 GGACTAGGTGACCGTTAGGCTGGAGGGATAAGGCTACCTGGCTCTTCTTGGCTGGATTCTCCAGCCT
 TGCAGCGTTGCTTGACTCTGCTGAGAGATAGCAGGCCATGGCAGCGGCTGTAAGAATAGTTCAGTGGGG
 CTGGCTGGAGTTGCCTTGGGTCAAGCAGAATATTAATAGGCAGGGGAATGCACCTGTAGCTAGTGGGCGC
 TACTGCCAGCCTGAAGAGGAAGTGGCTCGACTCTTGACCATGGCTGGGTTTCTGAGGATGAGCTAAACC
 CTTTCCATGTAAGTGGGGTTGAGGCCACAGCATCAGATGTTGAACTGAAGAAGGCCTATAGACAGCTGGC
 AGTGATGGTTCATCCTGACAAAAATCATCATCCCCGGGCTGAGGAGGCCTTCAAGGTTTTGCGAGCAGCT
 TGGGACATTGTCAGCAATGCTGAAAAGCGAAAGGAGTATGAGATGAAACGAATGGCAGAGAATGAGCTGA
 GCCGGTCAGTAAATGAGTTTCTGTCCAAGCTGCAAGATGACCTCAAGGAGGCAATGAATACTATGATGTG
 TAGCCGATGCCAAGGAAAGCATAGGAGTTTGAATGGACCGGGAACCTAAGAGTGCCAGATACTGTGCT
 GAGTGTAATAGGCTGCATCCTGCTGAGGAAGGAGACTTTTGGGCAGAGTCAAGCATGTTGGCCTCAAGA
 TCACCTACTTTGCACTGATGGATGGAAAGTGTATGACATCACAGAGTGGGCTGGATGCCAGCGTGTAGG
 TATCTCCCCAGATACCCACAGAGTCCCCTATCACATCTCATTGGTTCTCGGATTCAGGACCAGAGGG
 CGGCAGAGAGCCACCCAGATGCCCTCCTGCTGATCTTCAGGATTTCTTGGATCGGATCTTTAAGTAC
 CCCAGGGCAGATGCCCAATGGGAACCTTTTGCAGCTCCTCAGCCTGCCCTGGAGCCGCTGCAGCCTC
 TAAGCCCAACAGCACAGTACCCAAGGGAGAAGCCAAACCTAAGCGGCGGAAGAAAGTGAAGGAGGCCCTTC
 CAACGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG222220 representing NM_032364
 Red=Cloning site Green=Tags(s)

MAQKHPGERGLYGAHHSGGASLRTLGPSVDPEIPSFSGLRDSAGTAPNGTRCLTEHSGPKHTQHPNPAHW
 LDPSHGPPGGPGPPRDAEDPDQSETSSSEESGVDQELSKENETGNQKDGNSFLSIPSACNCQGTPIPEG
 PYSEGGNGSSSNFCHHCTSPALGEDELEEEYDDEESLKFPSDFSRVSSGKKPPSRRQRHRFPKEDTREG
 GRRDRSPGRHRLGRKRSQADKRKGLGLWGAEEELCQLGQAGFWWLI ELLVLVGEYVETCGHLIYACRQLK
 SSDLDLFRVWMGVWTGRLGGWAQVMFQFLSQGFYCGVGLFTRFLKLLGALLLLALFLGFLQLGWRFV
 GLGDRLGWRDKATWLF SWLDSPALQRCLTLRDRSPWQRLVRIVQWGWLELPWVKQINRQGNAPVASGR
 YCQPEEEVARLLTMAGVPEDELNPFHVLGVEATASDVELKKAYRQLAVMVHPDKNHHPRAEAEAFKVLRAA
 WDIVSNAEKREYEMKRMAENELSRVNEFLSKLQDDLKEAMNTMMSRCQGKHRRFEMDREPKSARYCA
 ECNRLHPAEEGDFWAESSMLGLKITYFALMDGKVVYDITWAGCQRVGISPDTHRVPYHISFGSRIPGTRG
 RQRATPDAPPADLQDFLSRIFQVPPGQMPNGNFAAPQAPAGAAAASKPNSTVPKGEAKPKRRKKVRRPF
 QR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032364

ORF Size: 2106 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_032364.5](#), [NP_115740.5](#)

RefSeq Size: 3330 bp

RefSeq ORF: 2109 bp

Locus ID: 85406

UniProt ID: [Q6Y2X3](#)

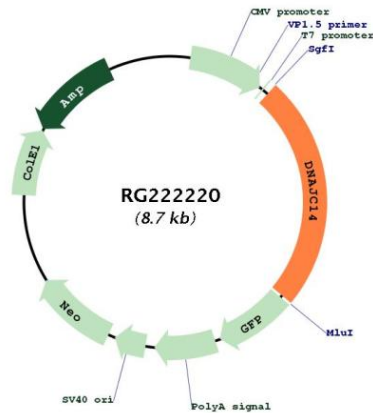
Cytogenetics: 12q13.2

Domains: Dnaj

Protein Families: Druggable Genome, Transmembrane

Gene Summary: Regulates the export of target proteins, such as DRD1, from the endoplasmic reticulum to the cell surface.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG222220