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Product datasheet for RC222220

DNAJC14 (NM_032364) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNAJC14 (NM_032364) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DNAJC14
Synonyms:	DNAJ; DRIP78; HDJ3; LIP6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RC222220 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCCAGAAGCACCCCGGAGAAAGAGGGTTGTATGGAGCCCACCACAGTGGTGGTGCCTCCCTCAGGA
CTTTAGGACCCTCCGTGGACCCTGAAATACCTTCATTCTCAGGACTCAGGGACTCAGCAGGGACTGCTCC
TAATGGTACCCGCTGCCTCACAGAGCACTCTGGTCCTAAGCACACACAGCACCCAAACCCAGCCCATTGG
TTGGACCCAAGCCATGGCCCCCCAGGGGGTCCAGGACCACCTAGAGATGCAGAGGACCCTGATCAGAGTG
AGACGTCTTCAGAAGAAGAATCAGGAGTGGACCAGGAACTCTCAAAAGAAAACGAGACTGGGAACCAGAA
GGATGGGAACTCTTTTCTTTCCATTCCATCTGCTTGCAACTGCCAGGGAACACCTGGAATTCCAGAAGGG
CCTTACTCTGAGGGAGGAAATGGTTCTTCTAGCAACTTTTGCCACCACTGTACCTCTCCAGCTTTGGGGG
AAGATGAGTTGGAAGAGGAATATGATGATGAAGAATCTCTCAAGTTCCCCAGTGATTTTTCGCGTGTGTC
CAGCGGAAAGAAACCCCCATCCCGGAGACAGCGGCACCGCTTTCCAACGAAGGAGGATACTCGGGAGGGT
GGACGTAGGGATCCCAGGTCCCCTGGTCGACATCGGCTGGGTCGGAAACGAAGTCAGGCAGATAAGCGCA
AAGGCCTGGGATTGTGGGGAGCCGAGGAACTATGTCAACTTGGACAGGCAGGCTTTTGGTGGCTGATTGA
ACTGCTGGTATTGGTGGGAGAGTACGTAGAAACTTGTGGCCATCTCATCTATGCCTGCAGGCAACTGAAA
AGCAGTGATTTGGACCTTTTTCGAGTTTGGATGGGAGTGTGGACAGGGCGGTTAGGGGGCTGGGCCCAGG
TCATGTTTCAGTTTCTAAGCCAGGGGTTTTACTGTGGAGTAGGACTGTTTACTCGTTTTCTTAAGCTGCT
GGGTGCTTTGCTGCTCCTGGCTCTGGCCCTCTTTTTGGGCTTTCTACAGTTGGGATGGCGGTTTCTGGTG
GGACTAGGTGACCGGTTAGGCTGGAGGGATAAGGCTACCTGGCTCTTCTCTTGGCTGGATTCTCCAGCCT
TGCAGCGTTGCTTGACTCTGCTGAGAGATAGCAGGCCATGGCAGCGGCTGGTAAGAATAGTTCAGTGGGG
CTGGCTGGAGTTGCCTTGGGTCAAGCAGAATATTAATAGGCAGGGGAATGCACCTGTAGCTAGTGGGCGC
TACTGCCAGCCTGAAGAGGAAGTGGCTCGACTCTTGACCATGGCTGGGGTTCCTGAGGATGAGCTAAACC
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AGTGATGGTTCATCCTGACAAAAATCATCATCCCCGGGCTGAGGAGGCCTTCAAGGTTTTGCGAGCAGCT
TGGGACATTGTCAGCAATGCTGAAAAGCGAAAGGAGTATGAGATGAAACGAATGGCAGAGAATGAGCTGA
GCCGGTCAGTAAATGAGTTTCTGTCCAAGCTGCAAGATGACCTCAAGGAGGCAATGAATACTATGATGTG
TAGCCGATGCCAAGGAAAGCATAGGAGGTTTGAAATGGACCGGGAACCTAAGAGTGCCAGATACTGTGCT
GAGTGTAATAGGCTGCATCCTGCTGAGGAAGGAGACTTTTGGGCAGAGTCAAGCATGTTGGGCCTCAAGA
TCACCTACTTTGCACTGATGGATGGAAAGGTGTATGACATCACAGAGTGGGCTGGATGCCAGCGTGTAGG
TATCTCCCCAGATACCCACAGAGTCCCCTATCACATCTCATTTGGTTCTCGGATTCCAGGCACCAGAGGG
CGGCAGAGAGCCACCCCAGATGCCCCTCCTGCTGATCTTCAGGATTTCTTGAGTCGGATCTTTCAAGTAC
CCCCAGGGCAGATGCCCAATGGGAACTTCTTTGCAGCTCCTCAGCCTGCCCCTGGAGCCGCTGCAGCCTC
TAAGCCCAACAGCACAGTACCCAAGGGAGAAGCCAAACCTAAGCGGCGGAAGAAAGTGAGGAGGCCCTTC
CAACGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC222220 protein sequence
Red=Cloning site Green=Tags(s)

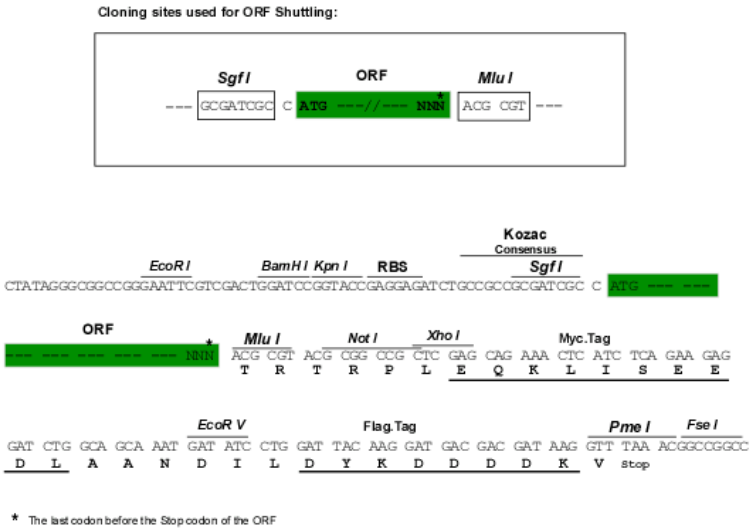
MAQKHPGERGLYGAHHSGGASLRTLGPSVDPEIPSFSGLRDSAGTAPNGTRCLTEHSGPKHTQHPNPAHW
LDPSHGPPGGPGPPRDAEDPDQSETSSEEESGVDQELSKENETGNQKDGNSFLSIPSACNCQGTPGIPEG
PYSEGGNGSSSNFCHHCTSPALGEDELEEEYDDEESLKFPSDFSRVSSGKKPPSRRQRHRFPTKEDTREG
GRRDPRSPGRHRLGRKRSQADKRKGLGLWGAEELCQLGQAGFWWLIELLVLVGEYVETCGHLIYACRQLK
SSDLDLFRVWMGVWTGRLGGWAQVMFQFLSQGFYCGVGLFTRFLKLLGALLLLALALFLGFLQLGWRFLV
GLGDRLGWRDKATWLFSWLDSPALQRCLTLLRDSRPWQRLVRIVQWGWLELPWVKQNINRQGNAPVASGR
YCQPEEEVARLLTMAGVPEDELNPFHVLGVEATASDVELKKAYRQLAVMVHPDKNHHPRAEEAFKVLRAA
WDIVSNAEKRKEYEMKRMAENELSRSVNEFLSKLQDDLKEAMNTMMCSRCQGKHRRFEMDREPKSARYCA
ECNRLHPAEEGDFWAESSMLGLKITYFALMDGKVYDITEWAGCQRVGISPDTHRVPYHISFGSRIPGTRG
RQRATPDAPPADLQDFLSRIFQVPPGQMPNGNFFAAPQPAPGAAAASKPNSTVPKGEAKPKRRKKVRRPF
QR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6610_d07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032364

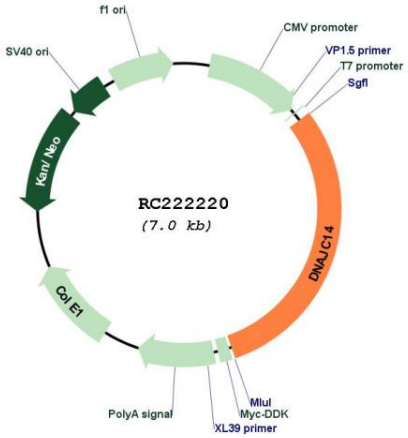
ORF Size: 2106 bp

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

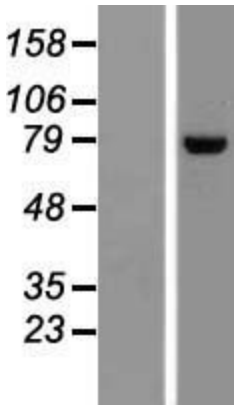
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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
MW:	78.6 kDa
Gene Summary:	Regulates the export of target proteins, such as DRD1, from the endoplasmic reticulum to the cell surface.[UniProtKB/Swiss-Prot Function]

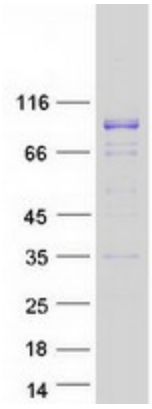
Product images:



Circular map for RC222220



Western blot validation of overexpression lysate (Cat# [LY410159]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC222220 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DNAJC14 protein (Cat# [TP322220]). The protein was produced from HEK293T cells transfected with DNAJC14 cDNA clone (Cat# RC222220) using MegaTran 2.0 (Cat# [TT210002]).