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Product datasheet for MR210141

Dnajc14 (NM_028873) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnajc14 (NM_028873) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dnajc14
Synonyms:	5730551F12Rik; DNAJ; DRIP78; HDJ3; LIP6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR210141 representing NM_028873
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCCAGAAGCACCCGGGAGAAAGAAGGTTGTGTGGAGCCCACCGCAGTGGTGGTACCTCCCTCAGTA
CATCAGGATCCTCTGTGGACCCCGAAATACTTTCATTCTCAGGACTCAGGGACTCAGCAGAGACTGCTCC
TAATGGTACACGATGCCTCAAAGAGCACTCCGGCCCTAAGTACACACAGCCTCCAAATCCAGCCCACTGG
TCAGATCCAAGCCATGGTCCTCCAAGGGGTCCAGGACCACCTAGAGGAGGAGGCTACCCTGATGAGAGCG
AGACAGGTTCAGAAGAGTCAGGAGTGGACCAGGAACTCTCAAGAGAGAATGAGACTGGGTACCAGGAGGA
TGGGAGTCCTTCTTTTCTTTCCATTCCATCTGCTTGTAACTGCCAGGGAAGCCCTGGAGTCCCCGAAGGA
ACTTACTCCGAGGAAGGAGATGGCTCTTCTAGCAGCCTTTGCCACCATTGCACCTCTCCAGCCTTGGGGG
AAGATGAAGAGTTGGAAGAAGAATATGATGATGAGGAACCTCTTAAATTTCCCAGTGATTTTTCACGTGT
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AGTGGACGCAGAGAACCCAAGGCCCCAGGTCGTCATCGGCTGGCCCGAAAAAGAAGTCAGACAGATAAGC
GCAGAGGCCTGGGACTGTGGGGAGTAGAGGAACTATGTCAGCTTGGACAAGCAGGCTTCTGGTGGCTGAT
TGAACTTCTGGTATTGGTGGGAGAGTATGTGGAAACCTGTGGCCATCTCATTTACGCATGCAGGAAGCTG
AAAGGCAGTGACCTGGACCTTTTTCGAGTCTGGGTGGGGGTCTGGGCCAGGAGACTGGGGGGCTGGGCCC
GCATGATGTTCCAGTTTCTAAGCCAGAGCTTCTTCTGTGTGGTGGGGCTGCTCATCCGTATTCTTAGGGT
AGTGGGTGCTTTCCTACTCCTGGCTCTCGCCCTCTTTTTGGGATGTCTACAATTGGGCTGGAGGTTTTCG
GTGGGACTGGGCAACCGGTTAGGCTGGAGGGATAAGACCGCTTGGCTGTTCTCTTGGCTGGGTTCTCCAG
CCTTGCATCATTGCTTGACTCTGCTGAAAGATAGCAGGCCATGGCAGCAGCTGGTAAGGTTAATACAGTG
GGGCTGGCAGGAGCTGCCCTGGGTCAAACAGAGGACTAAGAAACAGGGCAATGCACCTGTAGCTAGCGGG
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TCAGCCGGTCAGTGAATGAGTTTCTGTCGAAACTACAAGATGACCTCAAGGAGGCAATGAACACGATGAT
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AGATCACTTACTTTGCGCTGATGGATGGAAAGGTGTATGACATCACAGAGTGGGCTGGATGCCAGCGTGT
GGGTATCTCCCCAGATACTCACAGAGTTCCTTACCACATCTCATTTGGTTCTCGGGTACCCGGCACCAGT
GGCCGGCAGAGGGCCACTCCAGAGTCCCCTCCTGCTGACCTGCAGGATTTCTTGAGCCGGATCTTTCAAG
TACCTCCGGGGCCGATGTCCAATGGGAACTTCTTTGCCGCACCTCACCCTGGCCCTGGGACCACTTCGAC
CTCTAGGCCCAACAGTTCAGTACCCAAGGGAGAAGCCAAACCTAAACGGCGGAAGAAAGTGAGGCGGCCC
TTTCAACGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR210141 representing NM_028873
Red=Cloning site Green=Tags(s)

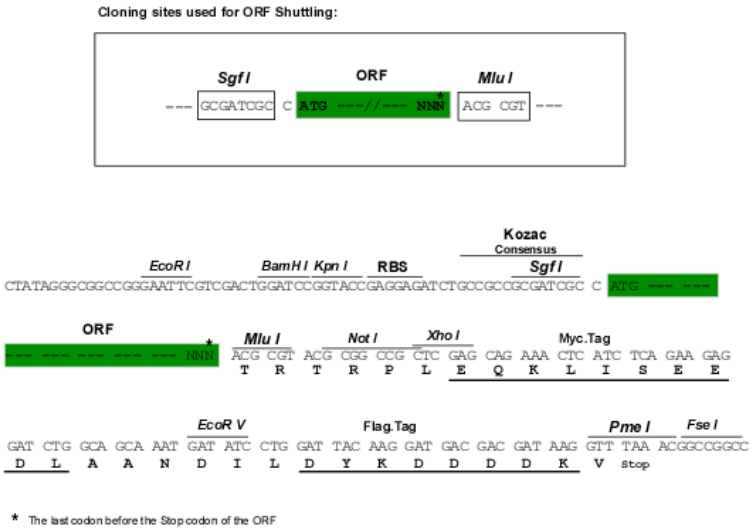
MAQKHPGERRLCGAHRSGGTSLSTSGSSVDPEILSFSGLRDSAETAPNGTRCLKEHSGPKYTQPPNPAHW
SDPSHGPPRGPGPPRGGGYPDESETGSEESGVDQELSRENETGYQEDGSPSFLSIPSACNCQGSPGVPEG
TYSEEGDGSSSSLCHHCTSPALGEDEELEEEYDDEEPLKFPSDFSRVSSGKKPLSRRQKHRFLIKEDVRD
SGRREPKAPGRHRLARKRSQTDKRRGLGLWGVEELCQLGQAGFWWLIELLVLVGEYVETCGHLIYACRKL
KGSDLDLFRVWVGVWARRLGGWARMMFQFLSQSFFCVVGLLIRILRVVGAFLLLALALFLGCLQLGWRFS
VGLGNRLGWRDKTAWLFSWLGSPALHHCLTLLKDSRPWQQLVRLIQWGWQELPWVKQRTKKQGNAPVASG
RYCQPEEEVTRLLTMAGVPEDELNPFHVLGVEATASDTELKKAYRQLAVMVHPDKNHHPRAEEAFKILRA
AWDIVSNPERRKEYEMKRMAENELSRSVNEFLSKLQDDLKEAMNTMMCSRCQGKHRRFEMDREPKSARYC
AECNRLHPAEEGDFWAESSMLGLKITYFALMDGKVYDITEWAGCQRVGISPDTHRVPYHISFGSRVPGTS
GRQRATPESPPADLQDFLSRIFQVPPGPMSNGNFFAAPHPGPGTTSTSRPNSSVPKGEAKPKRRKKVRRP
FQR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9013_g03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_028873

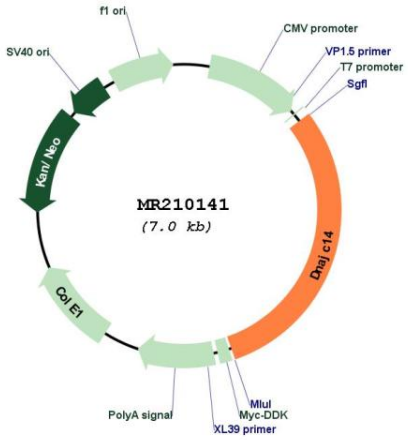
ORF Size: 2109 bp

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_028873.5
RefSeq Size:	4229 bp
RefSeq ORF:	2112 bp
Locus ID:	74330
UniProt ID:	Q921R4
Cytogenetics:	10 D3
MW:	79.4 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 MR210141