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Product datasheet for RC202958

DNAJC30 (NM_032317) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNAJC30 (NM_032317) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DNAJC30
Synonyms:	LHONAR; MC1DN38; WBSCR18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC202958 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGCCATGCGCTGGCGATGGTGGCAGCGGCTGTTACCTTGGAGGTTGCTGCAGGCCCGTGGCTTTC
CACAAAATTCTGCACCCAGCCTGGGCCTAAGAGCGAGGACTTATTCCCAGGGCGACTGCTCGTATTCGCG
CACGGCGCTGTATGATCTGCTCGGCGTCCCCTCCACAGCCACGCAGGCCCAAATCAAGGCGGCTTACTAC
CGTCAGTGCTTTCTCTACCACCCGGACCGCAACTCCGGGAGCGCGGAGGCCGCCGAGCGCTTCACGCGCA
TCTCCCAGGCCTACGTGGTGCTGGGCAGTGCCACCCTCCGTCGCAAGTATGATCGCGGCCTACTCAGCGA
CGAGGACCTGCGCGGACCTGGCGTCCGGCCCTCCAGGACGCCCGCACCCGACCCCGGCTCGCCGCGTACC
CCGCCGCCCACCTCTCGGACCCACGACGGTTCTCGGGCCTCCCCCGGCGCCAACCGCACGATGTTCAACT
TTGACGCCTTCTACCAGGCCCACTACGGGGAACAACTGGAGCGGGAACGGCGCCTGAGGGCCCGGCGGGA
GGCCCTTCGCAAACGGCAGGAGTATCGGTCCATGAAAGGCCTCCGCTGGGAGGATACCCGAGACACGGCT
GCCATTTTCCTCATCTTTTCAATCTTCATCATCATCGGCTTTTATATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>RC202958 protein sequence
Red=Cloning site Green=Tags(s)

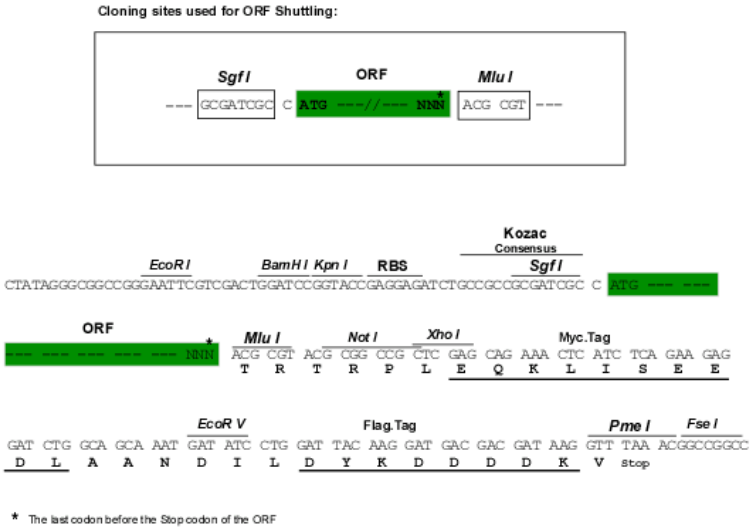
MAAMRWRWWQRLLPWRLLQARGFPQNSAPSLGLRARTYSQGDCSYSRTALYDLLGVPSTATQAQIKAAYY
RQCFLYHPDRNSGSAEAAERFTRISQAYVVLGSATLRRKYDRGLLSDEDLRGPGVRPSRTPAPDPGSPRT
PPPTSRTHDGSRASPGANRTMFNFDAFYQAHYGEQLERERRLRARREALRKRQEYRSMKGLRWEDTRDTA
AIFLIFSIFIIIGFYI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6411_e11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032317

ORF Size: 678 bp

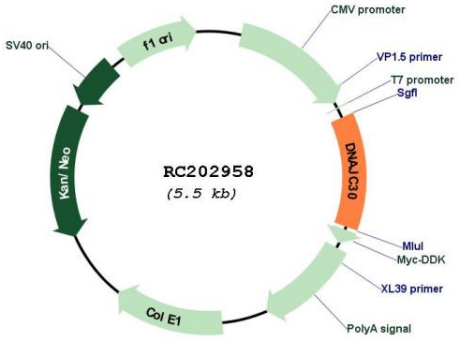
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

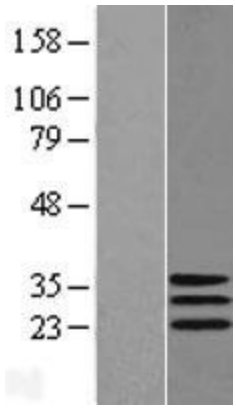
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_032317.1
RefSeq Size:	2534 bp
RefSeq ORF:	681 bp
Locus ID:	84277
UniProt ID:	Q96LL9
Cytogenetics:	7q11.23
Domains:	DnaJ
Protein Families:	Transmembrane
MW:	26.1 kDa
Gene Summary:	This intronless gene encodes a member of the DNAJ molecular chaperone homology domain-containing protein family. This gene is deleted in Williams syndrome, a multisystem developmental disorder caused by the deletion of contiguous genes at 7q11.23. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC202958



Western blot validation of overexpression lysate (Cat# [LY410217]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202958 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).