

Product datasheet for **RG211118**

DNAJC1 (NM_022365) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNAJC1 (NM_022365) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DNAJC1
Synonyms:	DNAJL1; ERdj1; HTJ1; MTJ1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG211118 representing NM_022365
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACGGCTCCTTGCTCCAGCCGGCGCAGCTTCTTGACGCGCCAGCTCGGGCTGGTCCGTTCCCGC
 CGCGCCCGCGGACGCGCTGCTGTGGCTGCTGCTGCTGCTGCGCCGCTGGCGCCGGCGCGCGG
 CTGGGAGAGCGGAGACCTGGAGTTGTTTGACTTAGTGAGGAGGTGCAGCTCAACTTCTACCAGTTCCTC
 GGGGTGCAGCAGGATGCATCATCTGCAGACATCAGAAAAGCATATCGTAAGCTTTCACTAACTTTACATC
 CAGACAAGAATAAAGATGAAAAATGCAGAAACTCAGTTTAGACAATTGGTGGCCATTTATGAAGTTTTAAA
 GGTATGAACGAAGGCAGAGGTATGATGATATTCTGATCAATGGACTTCCAGATTGGCGACAGCCTGTA
 TTCTACTACAGCGGGTGAGAAAAATGAGCAATGCTGAGCTGGCATTACTCTTGTTCAATTATTCTCACAG
 TGGGTCAATTATGCTGTGGTTTGGTCAATCTACCTGGAAAAACAAGTGAAGTAACTAAGTAGAAAAAA
 GAGAGAAAAGAAAAAAGACTGGCAGCAAGAGTGTGGATGTATCAAACTCGGTCTTCAGAAAAAAAT
 GAAAGATTGCTGATGAAACCACAGTGGCATGATTTGCTTCCATGCAAACTGGGGATTTGGTTTTGCCTTA
 CACTAAAAGCATTACCTCACCTCATCCAGGATGCTGGGCAGTTTTATGCTAAATATAAAGAAACAAGATT
 GAAGGAAAAGGAAGATGCACTGACTAGAACTGAACTTGAACACTTCAAAAAACAGAAAGTTAAAAAA
 CCAAAACCTGAATTTCTGTATACACACCTTTAGAACTACATATATTCACTCTTATGATCATGGAAGT
 CCATAGAAGAAATTGAGGAACAAATGGATGATTGGTTGGAAAACAGGAACCGAACACAGAAAAACAGGC
 ACCTGAATGGACAGAAGAGGACCTCAGCCAAGTACAAGAAGTATGGTTAAGTCCCAGGAGGGACTCCA
 GGTGATGGGAAAAGATTGCCACGAATTGGGTGATCTGTGACAGATGTGACAACCAAGCAAGCAAC
 TGAAGATTCAAGTACCTGCTCCCGAGGAATGGTTAGACTCTCCGAACTCAAATCGACAGTTCAGAATTC
 CAGGCCCATCAAAACGGCCACCCTTGCCTGATGACATGATCACCCAGCGAGAGGACGCAGAGGGGGTG
 GCAGCGGAGGAGGAGCAGGAGGGAGACTCCGGTGAAGCAGGAGACCGGGCCACTGATGCCCGCCTCGGA
 GGCGGAAGCCAGCCAGGCTGCTGGAGGCTACAGCGAAGCCGGAGCCAGAGGAGAAGTCCAGAGCCAGCG
 GCAGAAGGACTTTGACATAGCAGAACAACAGAGTCCAGCGACGAGGAGAGCCTGAGAAAAGAGAGACT
 CGGTCTGCAGAGGAGCCGTGGACTCAAAATCAACAGAACTTCTGGAAGTGGCGTTGCAGCAGTACCCAA
 GGGGATCTCTGACCGCTGGGACAAAATAGCCAGATGTGTCCCGTCCAAGAGCAAGGAAGACTGTATCGC
 TAGGTACAAGTTGCTGGTTGAAGTGGTCCAAAAGAAAAACAAGCTAAAAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG211118 representing NM_022365
 Red=Cloning site Green=Tags(s)

MTAPCSQPAQLPGRRLGLVFPFPPPPRPTLLWLLLLLLAAVAPARGWESGDLELFDLVEEVQLNFIYQFL
 GVQQDASSADIRKAYRKLSTLHPDKNKDENAETQFRQLVAIYEVKDDERRQRYDDILINGLPDWRQPV
 FYYRRVRKMSNAELALLLFIILTVGHYAVVWSIYLEKQLELLSRKKREKKKKTGSKSVDVSKLGASEKN
 ERLLMKPQWHDLLPCKLGIWFCLTLKALPHLIQDAGQFYAKYKETRLKEKEDALTRTELETQKQKVKK
 PKPEFPVYPTLETTYIQSYDHGTSIEEIEEQMDDWLENRNRTQKKQAPWTEEDLSQLTRSMVKFPGGTP
 GRWEKIAHELGRSVTDVTTKAKQLKDSVTCSPGMVRLSELKSTVQNSRPKATTLPPDDMITQREDAEGV
 AEEEEQEGDSGEQETGATDARPRRRKPARLLEATAKPEPEEKSRAKRQKDFDIAEQNESSDEESLRKERA
 RSAEEPWTQNNQKLELALQYPRGSSDRWDKIARCVPSKSKEDCIARYKLLVELVQKKQAKS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_022365

ORF Size: 1662 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_022365.4](#)

RefSeq Size: 2213 bp

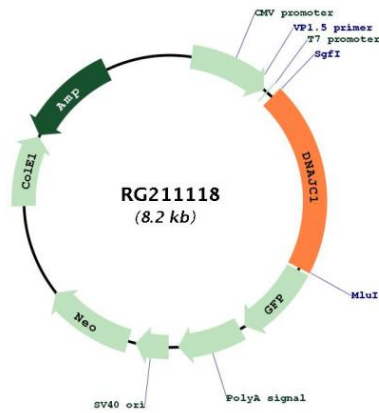
RefSeq ORF: 1665 bp

Locus ID: 64215

UniProt ID: [Q96KC8](#)

Cytogenetics: 10p12.31
Domains: myb_DNA-binding, DnaJ
Protein Families: Transcription Factors, Transmembrane
Gene Summary: The membrane protein encoded by this gene is a DNAJ-like heat shock protein that binds the molecular chaperone BiP. In addition, the encoded protein contains two SANT domains that have been shown to bind serpin alpha1-antichymotrypsin and inter-alpha trypsin inhibitor heavy chain 4. [provided by RefSeq, Jul 2016]

Product images:



Circular map for RG211118