

Product datasheet for **RG207707**

DNAJC22 (NM_024902) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	DNAJC22
Synonyms:	wus
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG207707 representing NM_024902
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAAGGGGCTCCTGGTGACCTATGCCCTCTGGGCTGTGGGGGCCCTGCTGGGCTCCACCACCTGT
ACCTGGGAAGGGACAGCCACGCCCTGCTCTGGATGCTGACCTGGGGGAGGTGGGCTGGGCTGGCTCTG
GGAGTTCTGGAAGCTCCCAAGCTTTGTAGCTCAGGCCAACAGAGCCAGGGACAGAGGCAGAGCCCCAGA
GGGGTGACACCCCTCTGAGTCCATTGCTTTGCTGCCAGGTGATAGTTGGCATCTATTTGGCCTTG
TGGCACTGATTAGCCTTTCTTCCATGGTCAACTTCTATATTGTGGCCCTCCCACTGGCAGTTGGCTTAGG
GGTCTTGCTGGTGGCTGCTGTTGGCAACCAGACCTCAGACTTTAAGAACACTCTGGGGTCAGCATTTCTC
ACTTCACCTATCTTCTATGGCCGCCCATAGCCATACTGCCATTAGCGTGGCCGCCAGCATTACAGCTC
AGAGGCATCGCCGCTACAAAGCTTTGGTGGCATCAGAGCCGCTCAGTGTGCGGCTCTATCGTCTGGGCTT
GGCTTACCTTGCTTTCAGAGCCCACTGGCATAACAGTCCCTCTGCAACACAGCTGCCACCCCTCAGCTAT
GTGGCAGAAACCTTTGGCTCCTTCTTGAATTGGTTCAGCTTCTTCCCCCTTCTTGGCCGCCTCATGGAGT
TTGCTCTCCTTCTGCCTTACCGGATCTGGAGGCTACTGATGGGGGAGACTGGCTTCAACAGCAGCTGCTT
TCAGGAGTGGGCGAAGCTCTATGAGTTTGTTCAGATTTTCAGGATGAGAAGCGTCAGCTGGCTTACCAG
GTTTTGGGCTCTCAGAAGGGGCAACAAATGAAGAAATACATCGGAGTTACAGGAGCTAGTGAAGGTCT
GGCACCCAGACCAACCTGGACCAGACAGAGGAGGCACAGAGGCACTTCTGGAGATCCAGGCTCGCTA
TGAAGTCTGAGTCAACCCAGGAAGCCTGGGGATCCCGGAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



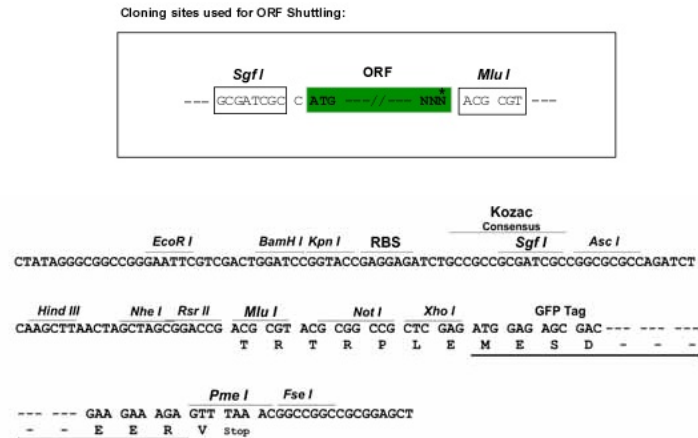
Protein Sequence: >RG207707 representing NM_024902
Red=Cloning site Green=Tags(s)

MAKGLLVITYALWAVGGPAGLHHLYLGRDSTALLWMLTLGGGGLGWLEFWKLPSPFVAQANRAQQGRQSPR
GVTPPLSPIRFAAQVIVGIYFGLVALISLSSMVNFYIVALPLAVGLGVLLVAAVGNQTSDFKNTLGSAFL
TSPIFYGRPIAILPISVAASITAQRHRYKALVASEPLSVRLYRLGLAYLAFTGPLAYSALCNTAATLSY
VAETFGSFLNWF SFFPLLGRLEMEFVLLLPYRIWRLMGETGFNSSCFQEWAKLYEFVHSFQDEKRQLAYQ
VLGLSEGATNEEIHRYSQELVKVWHPDHNLDQTEEAQRHFLEIQAAAYEVLSPRKPWGSRR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024902

ORF Size: 1023 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_024902.4](#)

RefSeq Size: 1854 bp

RefSeq ORF: 1026 bp

Locus ID: 79962

UniProt ID: [Q8N4W6](#)

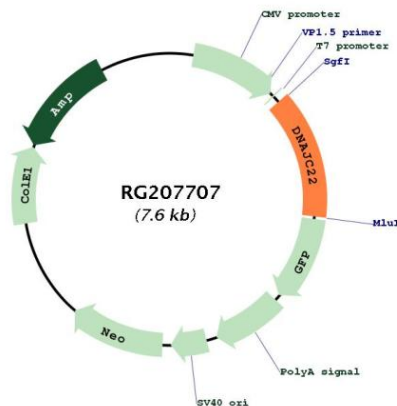
Cytogenetics: 12q13.12

Domains: DnaJ

Protein Families: Transmembrane

Gene Summary: May function as a co-chaperone.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG207707