

Product datasheet for **MG205287**

Dnajc28 (NM_138664) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnajc28 (NM_138664) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dnajc28
Synonyms:	BC020175; ORF28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205287 representing NM_138664 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATATCAACCCATGAATCCCAGAAGCTGAGAGAATATTACAGGCTGCTGAATCTGGATGAAGGATGCT
CTGTAGACGACGTCAGGGAGTCTTTTACAAGCTCGCCAGGCAGTACCACCCAGACAGCGTTCTAGTGA
TGCTGACTCTGCAACATTTATAAAGATTGAAGAGGCTTACAGGAATGTGCTGTCCCATGCGATAAAACGG
ATGCATGCCGGACAGGATAAAGCTGAAGATGCAGCAGAAGATGAAGAAGAAGAAAGTTCAAATACAACA
CACCTCAGCACCGACATTACTTAAGCTTCAAGGTGTGCGCTTTGGGACCCAGCCAGCGAGAGAAAACA
ATACAGGCAGTTCAAGGCGGATCGCGCAGCGAGGTGATGGAATACCAAAGGCAGAAGCTTCAGAGG
GAGTTCTTCGCCAACAGCATAACTGTCAAGGACGTACGGCAGAGCAAGCAACAGAAGATAACTCAAGCCA
TCGAGCGCCTGGTGGAGGACCTCATTAGGAATCCATGGCAAAAGGAGACTTTGACAATCTCAGCGGGAA
AGGAAAACCGCTGAAGAAATTTCTGGCTGCTCATATATTGATCCCATGACTCACAACCTGAACCGAATA
TTGATAGATAATGGATACCAACCAGAGTGGATCCTGATGCAGAAGGAGATTAAGGACACCATCGAGCAAC
TCCGAGAAGCGCTTTTAATGTCTAGGAAGAAGCTGGGGAACCTCTGTCACCCACAGAGCAGAAACAGTG
GGCCCAAGTGTGTGAGCAGTTTCAAGAAAAGATACGAAAGCTGAACAAGCGAATTAATGATTTCACCTTA
ATTGTTCCCATCTGACCAGGCAGAAAGTCCATTTTGACGCACAGAAAGAAATTATCAGAGTCCAAGAAA
TGTACGGGCTTCGTAGAAGCAAACGAAGTCACAGAAGAAACCAAAGTACGTTAGCCAGGGAGAAGA
ATCAAAAACACCAGAGTCAAGGCAGGCTTTCTAAACTGGCTAAATCTGTGGAAATCTATTTAAATA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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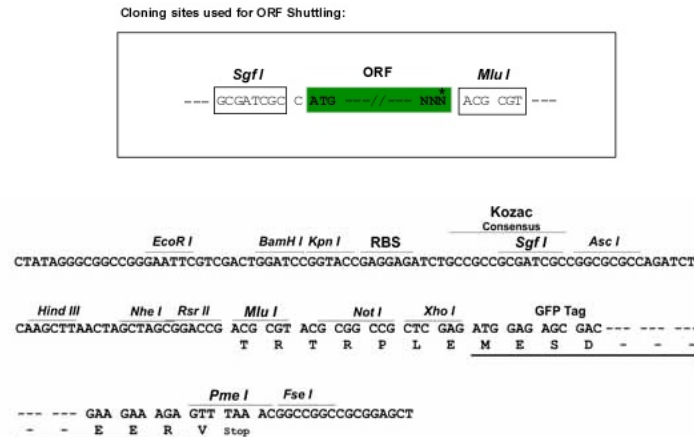
Protein Sequence: >MG205287 representing NM_138664
 Red=Cloning site Green=Tags(s)

MISTHESQKLREYYRLNLDEGCSVDDVRESFHKLARQYHPDSGSSDADSATFIKIEEAYRNVLSHAIKR
 MHAGQDKAEDAAEDEEGKFYNTQPQHRHLSFEGVGFGPSQREKQYRQFRADRATEQVMEYQRQKLQR
 EFFANSITVKDVRQSKQKQITQAIERLVEDLIQESMAKGDFDNLSGKGKPLKKFSGCSYIDPMTHNLNRI
 LIDNGYQPEWILMQKEIKDTIEQLREALLMSRKKLGNPLSPTEQKQWAQVCEQFQEKIRKLNKRINDFNL
 IVPILTRQKVHFDAQKEIIRVQEMYGAFVEANEVTEENQTDVVSQGEESKTPRVKAGFLNWLNLWKSIIKI

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_138664

ORF Size: 1047 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_138664.1](#), [NP_619605.1](#)

RefSeq Size: 1902 bp

RefSeq ORF: 1158 bp

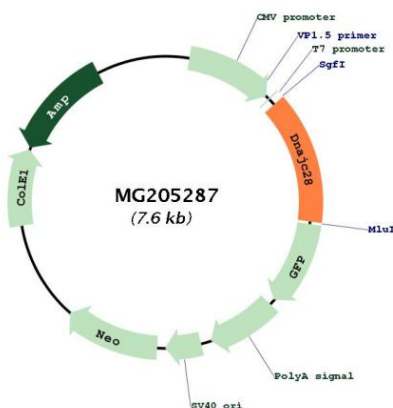
Locus ID: 246738

UniProt ID: [Q8VCE1](#)

Cytogenetics: 16 C3.3

Gene Summary: May have a role in protein folding or as a chaperone.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG205287