

Product datasheet for **MG224823**

Dnali1 (NM_175223) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnali1 (NM_175223) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dnali1
Synonyms:	1700023A09Rik; AW049135
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG224823 representing NM_175223 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATACCCCCAGCAGACTCTCTGCTCAAATATGACACCCCGGTGTTGGTGAGCCGGAATACAGAGAAAC
GGAGCCCCACGGCTCGGCCACTGAAAGTCACCATCCAGCAGCCTGGACCCTCTAGTACAAGCCCACAGCC
ACCCAAGGCCAAGCTGCCCTCACTTCTGTGTCCAGATCCTACCAAACAGGCAGAAGAAATCTTAAAT
GCCATCTGCCTCAAGGGAGTGGGTGGAAGACACACAGCTATGGATCCAGCAGGTGTCCAGCACACCCA
GCACCAGAATGGATGTGGTGCATCTCCAGGAGCAGCTGGACCTGAAGCTGCAGCAGAGGCAGGCCAGGGA
GACAGGCATCTGCCCTGTGCGCAGGGAAGTCTACTCCCAGTGTTTTGAAGACGAAGTATCCGGGAGGTC
ACCATCAACTGCGCAGAGAGAGGGCTGCTGTTGCTGCGTGTCCGGGACGAGATCCACATGACCATCGCTG
CCTACCAGACTCTGTATGAGAGCAGCGTGGCATTGGCATGAGGAAGGCACTGCAGGCCGAACAGGGGAA
GTCAGACATGGAGAGGAAAATTACAGAATTGGAGACAGAAAAGAGGGACTTGGAGAGGCAAGTGAATGAA
CAGAAGGCCGAAATGCGAGGCCACCGAGAAGCGGGAGAGTGAGAGGCGACAGGTGGAGGAGAAGAAGCACA
ACGAGGAGATCCAGTTCCTGAAACGGACCAACCAAGCAACTGAAGGCCAACTGGAAGGCATTATCGCACC
GAAGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224823 representing NM_175223
Red=Cloning site Green=Tags(s)

MIPPADSLKDYDTPVLVSRNTEKRSPTARPLKVTIQQPGSPSTSPQPPKAKLPSTSCVPDPTKQAEIILN
 AILPPREWVEDTLWIQQVSSSTPSTRMDVVHLQEQLDLKLRQARETGICPVRELYSQCFEDELIREV
 TINCAERGLLLLVRVDEIHMTIAAYQTLYESSVAFGMRKALQAEQKSDMERKITELETEKRDLERQVNE
 QKAKCEATEKRESERRQVEEKHNEEIQFLKRTNQQLKAQLEGIAPKK

TRTRPLE - GFP Tag - V

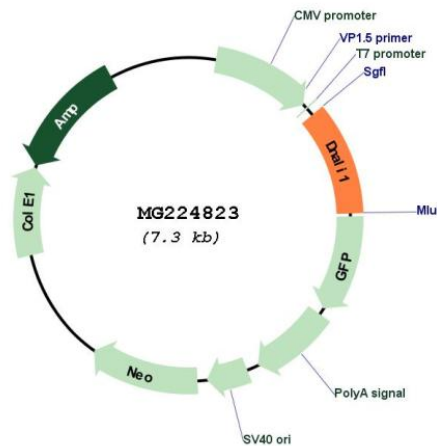
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_175223

ORF Size: 774 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:	<ol style="list-style-type: none"> 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_175223.4 , NP_780432.1
RefSeq Size:	2086 bp
RefSeq ORF:	777 bp
Locus ID:	75563
UniProt ID:	Q8BVN8
Cytogenetics:	4 D2.2
Gene Summary:	May play a dynamic role in flagellar motility.[UniProtKB/Swiss-Prot Function]