OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR224780

Dnaic1 (NM_175138) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnaic1 (NM_175138) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dnaic1
Synonyms:	1110066F04Rik; b2b1526Clo; BB124644; Dnai1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>MR224780 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCCTCGAAACAGATTCGTAAGCAGAGCATCAGTGTAACCAGAGGAGCCAGGAGACGAGATGAAGATT
CAGGGACTGATGTGGGAGAAGGAACTGATGAATGGTCCCAATCCAAAGCCACCGTGCGACCCCCTGACCA
GCTGGAGCTGACCGATGCGGAGTTAAAGGAGGAGTTCACTCGGATCCTGACAGCCAACAACCCACATGCA
CCCCAGAATATTGTCAGGTACAGCTTCAAAGAGGGCACATATAAACTTATTGGTTTTGTGAACCAAATGG
CGGTTCACTTCAGCCAGGTGGGGAACCTGATACCCAAAGACTCAGATGAAGGCCGTCGCCAGCACTACCG
TGATGAGATGGTGGCAGGTTCACAGGAGTCTATCAAGGTGGTGACTTCAGAAGCAGAAAACCTTGAAGAA
GAGGAAGAACCCAAAGAAGGAGAAGGAGAAGCAGAAGCAGAAGCAGAAGCCGGGAGCCAAACGGACATCC
CTGCTGCAGCTGAGACAACTGAAAAGGTGATTGAAGAAGAGCTGATGGCTCCTGTGCAGCCCAAGGAACG
GAAGCTCACGAACCAGTTTAACTTCAGTGAGAGAGCATCCCAGACCTTCAACAACCCCCTCCGGGATCGA
GAGTGTCAGATGGAGCCTCCACCGAGGACGAACTTTTCAGCCACAGCCAATCAGTGGGAAATCTATGATG
CCTATGTAGATGAGCTCGAGAAACAGGAAAAGACCAAAGAGAAGGAGAAGGCAAAGACTCCAGTGGCTAA
GAAAACAGAGAAGATGGCCATGAGGAAACTGACATCTATGGAGTCCCAGAGTGATGATATCACCAAAGTG
ACCCAAGCTGCTAAAATCGTGGAGCGAATGGTCAACCAAAATACGTATGATGATGTTGCTCAAGATTTTA
AGTACTATGAGGATACTGCTGATGAATACAGGGACCAGGAGGGTACGCTGCTGCCTCTCTGGAAGTTTCA
AAATGACAAAGCCAAGCGCCTGGCAGTCACCGCCCTCTGCTGGAATCCAAAGTACAAGGATCTTTTTGCA
GTGGGACACGGCTCCTATGACTTCATGAAACAGAGCCGTGGCATGCTGCTGCTCTACAGCATGAAGAACC
CTAGCTTTCCCGAGTACATGTTCAGCAGTGAGAGTGGCATCATGTGTCTGGACGTGCACGTGGACCACCC
GTACCTGGTGGTCGTGGGCTACTATGATGGCAACGTGGCCATCTACAACCTCAAGAAGCCCCACTCGCAG
CCCTGCTTCCGCAGCACCTCCAAGTCTGGCAAGCACACGGACCCTGTATGGCAGGTCAAGTGGCAGAAGG
ATGACATGGACCACAACCTCAACTTCTTTTCTGTGTCGTCCGATGGCAGGATAGTGTCATGGACCCTCGT
CAAGAGCGAGCTGGTTCACATCGACATTATCAAGCTGAAGACTGAAGGCAGCACTACAGAAATCCCCGAG
GGGCTGCAGTTGCACACTGTAGGCTGTGGCACTGCCTTTGACTTCCACAAAGAGATCGACTACATGTTCC
TGGTGGGCACAGAAGAGGGAAAAATCTACAAGTGCTCCAAATCCTACTCCAGCCAGTTCTTGGACACCTA
TGATGCTCACAACATGGCAGTAGACGCTGTGCTATGGAACCCATACCACACCAAGGTCTTCATGTCCTGC
AGCTCTGACTGGACAGTGAAGATCTGGGACCACACCATCAAGACCCCCATGTTCATTTATGATCTGAACT
CAGCCGTGGGTGACGTGGCCTGGGCACCGTACTCTTCCACTGTGTTTGCAGCAGTCACCACGGACGGGAA
GGCCCATGTGTTTGACTTAGCGGTCAACAAGTATGAAGCTATCTGCAACCAGCCTGTGGTAGCCAAGAAG
AAGAACAAGATCACCCACGTGCAGTTCAATCCCATCCACCCCATCATAATCGTGGGCGACGACCGTGGCC
ACATCATCTGTCTCAAGCTCTCTCCCAACTTGCGAAAGATGCCAAAGGAGAAGAAGGGGCAGGAAGTGCA
GAAGGGGCCAGCTGTGGAGATTGCAAAATTGGACAAACTGCTAAACCTCGTGAGGGAAGTAAAAACCAAA
ACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

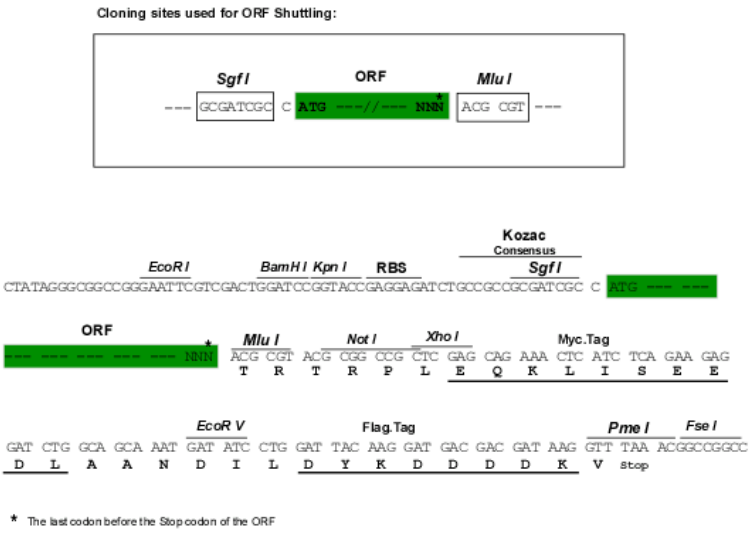
>MR224780 protein sequence
Red=Cloning site Green=Tags(s)

MPSKQIRKQSISVTRGARRRDEDSGTDVGEGTDEWSQSKATVRPPDQLELTDAELKEEFTRILTANNPHA
PQNIVRYSFKEGTYKLIGFVNQMAVHFSQVGNLIPKDSDEGRRQHYRDEMVAGSQESIKVVTSEAENLEE
EEEPKEGEGEAEAEAEAGSQTDIPAAAETTEKVIEEELMAPVQPKERKLTNQFNFSERASQTFNNPLRDR
ECQMEPPPRTNFSATANQWEIYDAYVDELEKQEKTKEKEKAKTPVAKKTEKMAMRKLTSMESQSDDITKV
TQAAKIVERMVNQNTYDDVAQDFKYYEDTADEYRDQEGTLLPLWKFQNDKAKRLAVTALCWNPKYKDLFA
VGHGSYDFMKQSRGMLLLYSMKNPSFPEYMFSSESGIMCLDVHVDHPYLVVVGYYDGNVAIYNLKKPHSQ
PCFRSTSKSGKHTDPVWQVKWQKDDMDHNLNFFSVSSDGRIVSWTLVKSELVHIDIIKLKTEGSTTEIPE
GLQLHTVGCGTAFDFHKEIDYMFLVGTEEGKIYKCSKSYSSQFLDTYDAHNMAVDAVLWNPYHTKVFMSC
SSDWTVKIWDHTIKTPMFIYDLNSAVGDVAWAPYSSTVFAAVTTDGKAHVFDLAVNKYEAICNQPVVAKK
KNKITHVQFNPIHPIIIVGDDRGHIICLKLSPNLRKMPKEKKGQEVQKGPAVEIAKLDKLLNLVREVKTK
T

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_175138

ORF Size: 2106 bp

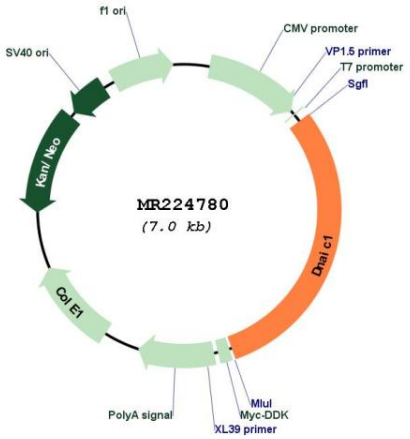
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_175138.1, NM_175138.2, NM_175138.3, NM_175138.4, NP_780347.2
RefSeq Size:	2508 bp
RefSeq ORF:	2106 bp
Locus ID:	68922
UniProt ID:	Q8C0M8
Cytogenetics:	4 A5
MW:	79.8 kDa
Gene Summary:	Part of the dynein complex of respiratory cilia.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224780