

Product datasheet for **MR230801**

Dync1i2 (NM_001198872) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dync1i2 (NM_001198872) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dync1i2
Synonyms:	3110079H08Rik; AW554389; Dncic2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MR230801 representing NM_001198872
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTCGGACAAAAGTGATTTAAAAGCTGAGTTGGAACGTAGAAGCAACGTTGGCCAAATCAGAGAAG
 AAAAGAAGAGGAAAGAAGAGGAAAGGAAAAAAGGAAACTGATCAGAAGAAGGAAGCTGCTGTTTCTGT
 ACAAGAAGAGTCTGATCTTGAAAAAAGAAAGAGAAGCTGAGGCATTGCTTCAAAGCATGGGACTAACT
 ACGGACTCCCCTATTGGCTTCTCCTTTTTCAGAGGATTCTAGCTTCAATCAAGTTGACATAAACTAGTTT
 TTTCTGAGTACTGGGTCCTCCTCTATGTCTCCATCCTCAAGTCGGTGAGCAGCCAAAGTGAAGCTGG
 AAGCCAGGATTCTGGAGATGGCGCCGTGGGATCTAGGACGCTGCATTGGGATACAGATCCATCAGTTCTT
 CAGCTTCACTCAGATTCCGATTTGGGACGAGGACCTATTAACCTTGAATGGCCAAAATTACTCAAGTTG
 ACTTTCCCTCGAGAAATCGTCACATACAAAAGGAACTCAGACCCCGTTACAGCTCAACCCAAAGA
 AGATGAGGAGGAGGAAGATGATGTAGCACTCCTAAACCTCCTGTGAACCTGAAGAAGAGAAAACCTTTG
 AAAAAAGACGAAGAGAATGATAGCAAAGCTCCACCTCATGAACTAACTGAAGAAGAAAAGCAACAGATTT
 TACACTCAGAAGATTTTAAAGTTTCTTTGACCATTCTACGAGAATTGTAGAAAAGAGCCCTTTCTGAGCA
 GATTAACATCTTCTTTGACTACAGTGGGAGAGACTTGAAGACAAAAGAAGGGGAGATTCAAGCAGGTGCT
 AAGCTGTCATTAATCGACAGTCTTTGATGAGCGTTGGTCAAAGCATCGAGTTGTTAGTTGTTGGATT
 GGTCAATCCAGTATCCAGAATTACTTGTGGCTTCTATAATAACAATGAAGAGGCTCCTCATGAGCCTGA
 TGGTGTGGCCCTCGTGTGAATATGAAGTACAAAAAACTACCCAGAGTATGTGTTCCACTGCCAGTCA
 GCTGTAATGTCTGCTACATTTGCAAAATTCATCCGAATCTTGTGTTGGAGGTACATATCAGGCCAGA
 TTGTGCTTTGGGATAACCGCAGCAATAAAGAAGTCTGTCCAGAGAACGCCGCTGTCAGCTGCTGCACA
 CACACACCCTGTCTACTGTGTAATGTTGTTGGAACACAAAATGCTCACAATCTGATTAGCATCTCTACT
 GATGGAATAATTTGTTCCCTGGAGTTGGACATGCTTTCCATCCACAGGATAGCATGGAGTTGGTTCATA
 AACAGTCAAAGGCAGTAGCTGTAACATCTATGTCTTTCCCTGTTGGAGACGTCAACAACCTTTGTTGTTGGG
 CAGTGAAGAAGTTCTGTGTATACAGCATGCCGCCATGGCAGCAAAGCTGGAATCAGTGAGATGTTTGGAG
 GGACACCAGGGACCCATCACTGGAATCCACTGTCACGCGGCTGTTGGAGCAGTAGACTTCTCACATCTGT
 TTGTCATTCGTCTTTGACTGGACAGTAAACTTTGGACAATAAGAATAACAAGCCTTTGACTACTATT
 TGAAGATAATTCAGACTATGTCTATGATGTTATGTGGTCAACCACCCAGCCCTGTTGCCTGTGTG
 GACGGCATGGGGAGACTGGATCTATGGAATCTCAACAATGACACAGAGGTACCAACTGCCAGCATTCTG
 TGGAGGGCAACCTGCTCTTAACCGTGTGAGATGGACCCACTCAGGAAGAGAAATGCCCGTGGGTGATTC
 TGAAGGACAGATTGTCATCTATGATGTGGGAGAGCAGATCGCTGTTCCCGAAATGATGAATGGGCAAGA
 TTTGGCCGAACACTCGCAGAAATTAACGCAAACCGAGCTGACGCAGAGGAGGAGGAGCTACCCGAATCC
 CTGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR230801 representing NM_001198872
Red=Cloning site Green=Tags(s)

```
MSDKSDLKAELEKQRLAQIREKKRKEEERKKKETDQKKEAAVSVQEEEDLEKKRREAEALLQSMGLT
TDSPIGFLLSESSFNQVDIKLVFSEYWVPPMSPSSKSVSTPSEAGSQSDGAVGSRTLHWDTDPSVL
QLHSDSDLGRGPIKLGMAKITQVDFPPREIVTYTKETQTPVTAQPKEDDEEEEDVATPKPPVEPEEETL
KKDEENDSKAPHELTEEEKQILHSEEFLSFFDHSTRIVERALSEQINIFFDYSGRDLEDKEGEIQAGA
KLSLNRQFFDERWSKRVVSCLDWSSQYPELLVASYNNEEAPHEPDGVALVWNMKYKTTPEYVFCQS
AVMSATFAKHPNLVVGTYSGQIVLWNRNKRTPVQRTPLSAAATHPVYCVNVVGTQNAHNLISIST
DGKICSWSLDMLSHPQDSMELVHKQSKAVAVTSMSPVGDVNNFVVGSEEGSVYACRHGSKAGISEMFE
GHQGPITGIHCHAAVGAVDFSHLFVTSSFDTWVTLWTTKNNKPLYSFEDNSDYVYDVMWSPHPALFACV
DGMGRDLWNLNDTEVPTASISVEGNPALNRVRWTHSGREIAVGDESEQIIVIYDVGQIAVPRNDEWAR
FGRTLAEINANRADAEEEAATRIPA
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001198872

ORF Size: 1965 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_001198872.1](#), [NP_001185801.1](#)

RefSeq Size: 2674 bp

RefSeq ORF: 1968 bp

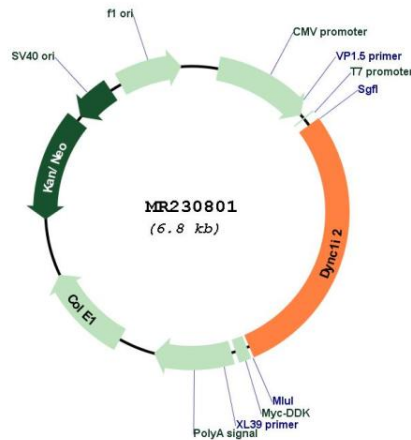
Locus ID: 13427

Cytogenetics: 2 42.38 cM

MW: 73.8 kDa

Gene Summary: Acts as one of several non-catalytic accessory components of the cytoplasmic dynein 1 complex that are thought to be involved in linking dynein to cargos and to adapter proteins that regulate dynein function. Cytoplasmic dynein 1 acts as a motor for the intracellular retrograde motility of vesicles and organelles along microtubules. The intermediate chains mediate the binding of dynein to dynactin via its 150 kDa component (p150-glued) DCNT1. Involved in membrane-transport, such as Golgi apparatus, late endosomes and lysosomes (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR230801