

Product datasheet for **MC228485**

Dync1i2 (NM_001198875) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dync1i2 (NM_001198875) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dync1i2
Synonyms:	3110079H08Rik; AW554389; Dncic2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228485 representing NM_001198875
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGGACAAAAGTGATTTAAAAGCTGAGTTGGAACGTAAGAAGCAACGTTGGCCAAATCAGAGAAG
 AAAAGAAGAGGAAAGAAGAGGAAAGGAAAAAAGGAAACTGATCAGAAGAAGGAAGCTGCTGTTTCTGT
 ACAAGAAGAGTCTGATCTTGAAAAAAGAGAAGCTGAGGCATTGCTTCAAAGCATGGGACTAACT
 ACGGACTCCCCTATTGTTTTTCTGAGTACTGGTCCCTCCTCTATGTCTCCATCCTCCAAGTCGGTGA
 GCACGCCAAGTGAAGCTGGAAGCCAGGATTCTGGAGATGGCGCGTGGGATCTAGACGAGGACCTATTAA
 ACTTGGAAATGGCCAAAATTAAGTCAAGTTGACTTTCCCTCGAGAAATCGTCACATACACAAAGGAACT
 CAGACCCCGTTACAGCTCAACCCAAAGAAGATGAGGAGGAGGAAGATGATGTAGCAACTCTAAACCTC
 CTGTTGAACCTGAAGAAGAGAAAACCTTTGAAAAAGACGAAGAGAATGATAGCAAAGCTCCACCTCATGA
 ACTAAGTGAAGAAGAAAAGCAACAGATTTTACACTCAGAAGAATTTTAAAGTTTCTTTGACCATTCTACG
 AGAATTGTAGAAAAGAGCCCTTTCTGAGCAGATTAACATCTTCTTGGACTACAGTGGGAGAGACTTGGAA
 ACAAGAAGGGGAGATTCAAGCAGGTGCTAAGCTGTCATTAATCGACAGTTCTTTGATGAGCGTTGGTC
 AAAGCATCGAGTTGTTAGTTGTTGGATTGGTCATCCCAGTATCCAGAATTAAGTGTGGCTTCTATAAT
 AACAAATGAAGAGGCTCCTCATGAGCCTGATGGTGTGGCCCTCGTGTGGAATATGAAGTACAAAAAACTA
 CCCAGAGTATGTGTTCCACTGCCAGTCAGCTGTAATGTCTGCTACATTTGCAAAATTTCCATCCGAATCT
 TGTTGTTGGAGGTACATATTCAGGCCAGATTGTGCTTTGGGATAACCGCAGCAATAAAGAAGCTCCTGTC
 CAGAGAACGCCGCTGTCAGCTGCTGCACACACACACCTGTCTACTGTGTAATGTTGTTGGAACACAAA
 ATGCTCACAATCTGATTAGCATCTACTGATGGAAAAATTTGTTCTGGAGTTTGGACATGCTTTCCCA
 TCCACAGGATAGCATGGAGTTGGTTCATAAACAGTCAAAGGCAGTAGCTGTAACATCTATGTCTTTCCCT
 GTTGGAGACGTCAACAACCTTTGTTGTTGGCAGTGAAGAAGTTCTGTGTATACAGCATGCCGCCATGGCA
 GCAAAGCTGGAATCAGTGAGATGTTGAGGGACACCAGGGACCCATCACTGGAATCCACTGTCACGCGGC
 TGTTGGAGCAGTAGACTTCTCACATCTGTTGTCACCTCGTCTTTGACTGGACAGTTAACTTTGGACA
 ACTAAGAATAACAAGCCTTTGACTCATTGGAAGATAATTCAGACTATGTCTATGATGTTATGTGGTCAC
 CCACCCACCCAGCCCTGTTGCCTGTGTGGACGGCATGGGAGACTGGATCTATGGAATCTCAACAATGA
 CACAGAGGTACCAACTGCCAGCATTCTGTGGAGGGCAACCCTGCTTAAACCGTGTGAGATGGACCCAC
 TCAGGAAGAGAAATGCCGTGGGTGATTCTGAAGGACAGATTGTCATCTATGATGTGGGAGAGCAGATCG
 CTGTTCCCGAAATGATGAATGGCAAGATTTGGCCGAACACTCGCAGAAATTAACGCAAACCGAGCTGA
 CGCAGAGGAGGAGGCAGCTACCCGAATCCTGCCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001198875
- Insert Size:** 1857 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001198875.1](#), [NP_001185804.1](#)

RefSeq Size: 2563 bp

RefSeq ORF: 1857 bp

Locus ID: 13427

Cytogenetics: 2 42.38 cM

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]
Transcript Variant: This variant (4; also called 1a.F) lacks multiple exons in the 5' coding region, compared to variant 1. Variant 4 encodes a shorter isoform (4), compared to isoform 1.