

Product datasheet for **MC228579**

Dync1i2 (NM_001198878) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dync1i2 (NM_001198878) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dync1i2
Synonyms:	3110079H08Rik; AW554389; Dncic2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC228579 representing NM_001198878
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGGACAAAAGTGATTTAAAAGCTGAGTTGGAACGTAAAGCAACGTTGGCCAAATCAGAGAAG
 AAAAGAAGAGGAAAGAAGAGGAAAGGAAAAAAGGAAACTGATCAGAAGAAGGAAGCTGCTGTTTCTGT
 ACAAGAAGAGTCTGATCTTGAAAAAAGAGAAGCTGAGGCATTGCTTCAAAGCATGGGACTAACT
 ACGGACTCCCCTATTGAGGATTCTAGCTTCAATCAAGTTGACATAAACTAGTTTTTCTGAGTACTGGG
 TCCCTCCTCTATGTCTCCATCCTCAAGTCGGTGAAGCTGAGCAGCCAAAGTGAAGCTGGAAGCCAGGATTCTGG
 AGATGGCGCCGTGGGATCTAGGACGCTGCATTGGGATACAGATCCATCAGTTCTTCAGCTTCACTCAGAT
 TCCGATTTGGGACGAGGACCTATTAACCTTGAATGGCCAAAATTACTCAAGTTGACTTTCCCTCGAG
 AAATCGTCACATACACAAAGGAACTCAGACCCCGTTACAGCTCAACCCAAAGAAGATGAGGAGGAGGA
 AGATGATGTAGCAACTCCTAAACCTCCTGTTGAACTGAAGAAGAAAACCTTTGAAAAAGACGAAGAG
 AATGATAGCAAAGCTCCACCTCATGAACTAACTGAAGAAGAAAAGCAACAGATTTTACACTCAGAAGAAT
 TTTAAGTTTCTTTGACCATTCTACGAGAATTGTAGAAAGAGCCCTTTCTGAGCAGATTAACATCTTCTT
 TGACTACAGTGGGAGAGACTTGGAGACAAAGAAGGGGAGATTCAAGCAGGTGCTAAGCTGTCATTAAT
 CGACAGTCTTTGATGAGCGTTGGTCAAAGCATCGAGTTGTTAGTTGTTGGATTGGTATCCCAGTATC
 CAGAATTACTTGTGGCTTCTATAATAACAATGAAGAGGCTCCTCATGAGCCTGATGGTGTGGCCCTCGT
 GTGGAATATGAAGTACAAAAAATCCAGAGTATGTGTTCCACTGCCAGTCAGCTGTAATGTCTGCT
 ACATTTGCAAAATTTTATCCGAATCTTGTGTTGGAGGTACATATTGAGCCAGATTGTGCTTTGGGATA
 ACCGACGAATAAAAGAAGTCTGTCCAGAGAACGCCGCTGTGAGCTGCTGCACACACACACCCTGTCTA
 CTGTGTAATGTTGTTGGAACACAAAATGCTCACAACTGATTAGCATCTCTACTGATGGAAAAATTTGT
 TCTGGAGTTTGGACATGCTTTCCATCCACAGGATAGCATGGAGTTGGTTCATAAACAGTCAAAGGCAG
 TAGCTGTAACATCTATGCTTTCCCTGTTGGAGACGTCAACAACCTTTGTTGTGGGACGTGAAGAAGGTTT
 TGTGTATACAGCATGCCGCCATGGCAGCAAAGCTGGAATCAGTGAGATGTTTGGGGACACCAGGGACCC
 ATCACTGGAATCCACTGTACGCGGCTGTTGGAGCAGTAGACTTCTCACATCTGTTTGTCACTTCGTTCTT
 TTGACTGGACAGTTAACTTTGGACAATAAGAATAACAAGCCTTTGACTCATTGAAGATAATTGAGATA
 CTATGTCTATGATGTTATGTGGTCAACCCACCCAGCCCTGTTTGCCTGTGTGGACGGCATGGGAGAG
 CTGGATCTATGGAATCTCAACAATGACACAGAGGTACCAACTGCCAGCATTCTGTGGAGGGCAACCCTG
 CTCTTAACCGTGTGAGATGGACCACTCAGGAAGAGAAATGGCCGTGGGTGATTCTGAAGGACAGATTGT
 CATCTATGATGTGGGAGAGCAGATCGCTGTTCCCGAAATGATGAATGGGCAAGATTTGGCCGAACACTC
 GCAGAAATTAACGCAAACCGAGCTGACGCAGAGGAGGAGGCAGCTACCCGAATCCCTGC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001198878

Insert Size: 1953 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:	<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:	<u>NM_001198878.1, NP_001185807.1</u>
RefSeq Size:	2648 bp
RefSeq ORF:	1953 bp
Locus ID:	13427
UniProt ID:	<u>O88487</u>
Cytogenetics:	2 42.38 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (7; also called 1b.E) differs in the 5' UTR and uses an alternate splice acceptor site in the 5' coding region, compared to variant 1. Variant 7 encodes a shorter isoform (2), compared to isoform 1. Variants 2 and 7 encode the same protein.</p>