

Product datasheet for **MC228590**

Dync1i2 (NM_001198872) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dync1i2 (NM_001198872) 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: >MC228590 representing NM_001198872
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGGACAAAAGTGATTTAAAAGCTGAGTTGGAACGTAAAGCAACGTTGGCCAAATCAGAGAAG
 AAAAGAAGAGGAAAGAAGAGGAAAGGAAAAAAGGAAACTGATCAGAAGAAGGAAGCTGCTGTTTCTGT
 ACAAGAAGAGTCTGATCTTGAAAAAAGAAAGAGAAGCTGAGGCATTGCTTCAAAGCATGGGACTAACT
 ACGGACTCCCCTATTGGCTTCTCCTTTTTCAGAGGATTCTAGCTTCAATCAAGTTGACATAAACTAGTTT
 TTTCTGAGTACTGGGTCCTCCTCTATGTCTCCATCCTCAAGTCGGTGAGCACGCCAAGTGAAGCTGG
 AAGCCAGGATTCTGGAGATGGCGCCGTGGGATCTAGGACGCTGCATTGGGATACAGATCCATCAGTTCTT
 CAGCTTCACTCAGATTCCGATTTGGGACGAGGACCTATTAACCTTGAATGGCCAAAATTACTCAAGTTG
 ACTTTCCCTCGAGAAATCGTCACATACAAAAGGAACTCAGACCCCGTTACAGCTCAACCCAAAGA
 AGATGAGGAGGAGGAAGATGATGTAGCACTCCTAAACCTCCTGTGAACCTGAAGAAGAGAAAACCTTTG
 AAAAAAGACGAAGAGAATGATAGCAAAGCTCCACCTCATGAACTAACTGAAGAAGAAAAGCAACAGATTT
 TACACTCAGAAGATTTTAAAGTTTCTTTGACCATTCTACGAGAATTGTAGAAAAGAGCCCTTTCTGAGCA
 GATTAACATCTTCTTTGACTACAGTGGGAGAGACTTGAAGACAAAGAAGGGGAGATTCAAGCAGGTGCT
 AAGCTGTCATTAATCGACAGTCTTTGATGAGCGTTGGTCAAAGCATCGAGTTGTTAGTTGTTGGATT
 GGTCAATCCAGTATCCAGAATTACTTGTGGCTTCTATAATAACAATGAAGAGGCTCCTCATGAGCCTGA
 TGGTGTGGCCCTCGTGTGAATATGAAGTACAAAAAACTACCCAGAGTATGTGTTCCACTGCCAGTCA
 GCTGTAATGTCTGCTACATTTGCAAAATTCATCCGAATCTTGTGTTGGAGGTACATATCAGGCCAGA
 TTGTGCTTTGGGATAACCGCAGCAATAAAAAGAACTCCTGTCCAGAGAACGCCGCTGTCAGCTGCTGCACA
 CACACCCCTGTCTACTGTGTAATGTTGTTGGAACACAAAATGCTCACAATCTGATTAGCATCTCTACT
 GATGGAATAATTTGTTCCCTGGAGTTGGACATGCTTTCCATCCACAGGATAGCATGGAGTTGGTTCATA
 AACAGTCAAAGGCAGTAGCTGTAACATCTATGTCTTTCCCTGTTGGAGACGTCAACAACCTTTGTTGTTGGG
 CAGTGAAGAAGTTCTGTGTATACAGCATGCCGCCATGGCAGCAAAGCTGGAATCAGTGAGATGTTGAG
 GGACACCAGGGACCCACTGGAATCCACTGTCACGCGGCTGTTGGAGCAGTAGACTTCTCACATCTGT
 TTGTCACTTCGTCTTTGACTGGACAGTAAACTTTGGACAATAAGAATAACAAGCCTTTGACTACTT
 TGAAGATAATTCAGACTATGTCTATGATGTTATGTGGTCAACCCACCCAGCCCTGTTGCTGTGTG
 GACGGCATGGGGAGACTGGATCTATGGAATCTCAACAATGACACAGAGGTACCAACTGCCAGCATTCTG
 TGGAGGGCAACCTGCTCTTAACCGTGTGAGATGGACCCACTCAGGAAGAGAAATTGCCGTGGGTGATTC
 TGAAGGACAGATTGTCATCTATGATGTGGGAGAGCAGATCGCTGTTCCCGAAATGATGAATGGCAAGA
 TTTGGCCGAACACTCGCAGAAATTAACGCAAACCGAGCTGACGCAGAGGAGGAGGAGCTACCCGAATCC
 CTGCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001198872

Insert Size: 1968 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_001198872.1, NP_001185801.1</u>
RefSeq Size:	2674 bp
RefSeq ORF:	1968 bp
Locus ID:	13427
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 (1; also called 1a.D) represents the longest transcript and encodes the longest isoform (1). Variants 1 and 6 encode the same protein.</p>