

Product datasheet for **MC229630**

Neurl4 (NM_001291118) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Neurl4 (NM_001291118) Mouse Untagged Clone
Tag: Tag Free
Symbol: Neurl4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229630 representing NM_001291118
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGCGGGTCTGGTGGAGTGGGGCTCTGGGGCGGGCCCCGGGCCAGGACCGGGGCCGGCGGGG
 GTGGGGCCCTGGCAGCAGCGGACCAGGCTGGGGTCCGGCGGGGGTCTCGGCGGTGGCGGGGAGCTGCA
 CCCGCGCACCGGGCGCTTGGTCAGCCTGTCGGCTCGGGCGCACGGCGGGCGGCAGCAGCCGGCCAA
 GAGTTTAAACACGGGCTGGTGTCTGAGCCGAGAACCCTTGCGCGATGGACGCGTCTTACCGTCCGCATCG
 ACCGCAAGGTCAACTCCTGGAGTGGCTCCATTGAGATTGGAGTGACAGCACTGGATCCCAGTGTGTGGGA
 CTTCCCGAGCAGTGCCACCGGGCTGAAGGGAGGCTCCTGGGTAGTGTGAGGCTGCTCAGTGTGCGGGAC
 GGGCGCTCTGTGTGGAGGAATATGGCCAGGACCTGGACCAGCTTGTGCAAGGGGACCGTGTGGGTGTGG
 AACGCACAGCCACTGGGAGCTCCGGCTCTGGTAAACGGCGGGATTGTGGTGTGACAGCCACAGGCT
 GCCTGCTCGTGTCTGGGCTGTGTGGACCTTTATGGCAAGTGACCCAGATCACTGTGCTGCCCTCCGAG
 CCAGGCTTCAGCCCTCCACTCCTGTCCCACACCTCCCCTTGAGCCCTTGCCCCCTCCAGAAGATTGAG
 CCCTGTTGGAACAGGGGACCTCTGTGGATGAAGCCTTCATGGTGTCCCCAGCGCAGGCACGGCCGGAGAC
 GTTTCCTAACAGCCTTGATTGCGATAATGACTTTGCCAGTATGGAGCTGTCTGAGGTGGTGGAGCAACGCC
 ATCCTGTCTGCCTACAATGGGGGCCCTTAATGTGAGCCTGAGCTCCCCACCAGCAGGGGACGGACTGG
 CATCCAGTGGGCCAGCCACTTCTCCATCCTCACTTCCAACGATGCCCTGCTCTTCCATGAGAAGTGTGG
 GACCCTCATCAAACCTCAGCAACAACAATAAGACAGCAGAGCGCCGGAGGCCCTGGATGAATTCAACAAT
 GGAGTTGTCATGACCAACCGCCACTTCGGGATAATGAAATGTTTGGATCCGGATCGACAAGCTTGTAG
 ACAAGTGGTCTGGTCCATCGAGATTGGTGTACCACCCACAACCCCAATAGCCTGGAGTACCCAGCCAC
 CATGACCAACCTGCAGTCAGGCACCATCATGATGAGTGGCTGTGGGATCCTGACCAACGGCAAAGGCACT
 CGGCGGGAGTACTGCGAGTTTCACTGAGCTGGACGAGCTGCAGGAGGGTGACCATATTGGCCTCAGGGAAGT
 CCAACTGCCCCACACTTCTTCAATTAATGGCATCGATCAGGGGCTAGCTACTCCATTGACACCACAGT
 TGTATATGGTGTAGTAGACTTGTATGGAATGGCAGTGAAGTGAACATCGTCCATAATAACAACCCAGT
 GACCGTCTCCGCCGGAACAACGCTATCCTGAGGGCTCTGTCCCCCGAGGGTGTCTTTCGTGCTGTGCC
 CTGACAGCCAGGCAGAACCTGAACGCTTGTCTTCCATCCTAACTGTGGCCAGAAGGCAGCTATCACCCA
 CGAAGGACGCACTGCCCTGAGGCCCATGCCACTGATGACTTCAATCATGGCGTGGTACTGAGCAGCAGA



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GCCCTCCGGGATGGAGAGGTGTTCCAGGTGCGCATTGACAAGATGGTGGACAAATGGGCTGGCTCCATTG
 AGATTGGTGTCAACCACCATAAACCTGCCTACCTCCAGTACCCTCTACTATGACCAACTTACGCTCTGG
 GACCTGGATGATGACTGGGAATGGGGTCATGCACAATGGGACAACCATCTAGATGAATATGGGCACAAC
 CTGGACCGCTCAAGGCAGGGGACCCGTGGGTGTGGTGGCGGGGAGGATGGAACGCTCCACTTCTTCG
 TCAATGGGATGACTCAGGGCCCTGCTGCCTGGAATGTCCCCCGGGGTCTATGCTGTTGTTGATCTCTA
 CGGCCAGGCTGCCAGGCTACTATTGTGGATGACGTGGAGGTGCCTCCAGTCTCTGAGCCACTCCCTGAA
 GGAAACAACAGATGTCTCCAGTTCATCCATCCTCAGCAGCTGGGGGCTGACCTTCGTTCCACCAGC
 TGCACGGCAGTAATGCAGTCATCAACCAATGGTGGCCGCACTGCTCTCCGCCACAACCTGCCGACGGAGTT
 CAACGATGCCATTGTCTTTCCAACCGAGCCCTGCGGGATGGAGAAGTGTGAAATGTCATTCAAGAG
 ATGGTAGATCGTTGGTCAAGCTCCATCGAAGCTGGAGTACTGCTATTCGGCCGGAAGACCTAGAATTC
 CCAACACCATGACAGACATTGACTATGATACGTGGATGCTGAGTGGTACAGCTATCATGCAAGATGGCAA
 TACGATGCGCAACAACACTATGGGTGTGATCTGGACGCGCTGGGCACAGGTGCACGAATGGCATGATGCGA
 ACTGCCAAGGGTATCTGCACTATTTTCAATATGGACAGGACCAAGGCGCTGCCTGCTCAGGCTGCCTC
 CGGAGGTGATGCAGTTGTGGATCTCTATGGCCAGTGTGTCCAAGTGTCTATCACAATGCTACCGGCC
 CATGGACAACAGCCTGGCCACCAGCAATACTGCCACTGAGAAGTATTCCCTTGCAATCCCAAGTGGCG
 GGTGTGGCTCACCATTCCATAGCATGTGTGGCAAGAATGCTACTCTGGAGGAGGATGGCACACGGGCAG
 TCCGTGTGGCTGCTACGCACATGGCCCTCGTTTTCAAGCACAAGAGCTCAAGGCTGAAGAAGTTTTTGA
 GGTGAAAGTGAAGAGCTAGACGAGAAGTGGGACGGCTCCCTCCGGCTGGGGCTGACCACACTTGACCA
 GAGGACATGGGGCCTGGAGCGGGCAGTGGTCCAGGGCTGCCTCCTTGCCTGAACTCCGGACAAAGA
 CCACCTGGATGGTGTCCAGCTGTGAAGTGAAGCGTGTGGGCACCTCCAAAGGATGAACTATGGCCGGAA
 CCTCGAGAGACTAGGGGTGGGAAGCCGTGTGGGCATTGCGTGGTGTGCAGATGACACAATGCACATCTTG
 TAGATGGAGAAGATATGGGGCTGCTGCCCTGGCATTGCCAAGAATGTGTGGCTGTGTTGGATCTGT
 ATGGGCCAGTACGCAGTGTGGCATTGTCAGCTCCACAAGGCTGGAGGAACAGCAAGCCAGCCAGCCGC
 TTCTCCAGCTCAGACACTGGCAGTGGAGTGGAGGATGATGAGGTGAGGAGCAGGGGCTGAGAGGC
 CAGAATCAAGTGGGATTGTGCCACAGCCCTGAATCCTGGAGAACCATGGGAAGAATATCCTCTTAT
 CCAACGGGAACCGCACAGCCACTCGGGTGGCCAGCTATAACCAGGGCATCGTTGTATCAGTCAAGCCCT
 GGTGCCCATATGCTTGTTCAGGTGCGAATAGACTTCCCTGAACCGACAGTGGACATCTTCTCTTGTCTG
 GGAGTTATCACCTGCCACCTGAGAGGCTTAACCTCCCTGCCTGCTTGTGCCCTAAACGGGCAGCCT
 GGCTCCTGCGGGCCGGGTGTCTTCCACAATGGTCTGAAGATCTGTGAGAAGTTGGGCCAAATCTTGA
 CACCTGCCCTGAAGGCACCATCCTGGGACTGCGGCTAGACTCCTCTGGAGGGCTCATCTCCACATCAAT
 GGGGTGGACCAAGGGTGTAGTGTACCAGATGTGCCCCAGCCATGCCATGCACTGGTGGACCTCTATGGAC
 AGTGTGAGCAGGTGACAATTGTGAGCCCTGACCAGGGACTGCCAGTGGGAAGATTGCTGGAACCAAGG
 GGACATGGAAAAGCTGATATGGTAGACGGTATCAAGGAGAGTGTGTGCTGGGGTCCACCCTGCTGCT
 AGCCCTTTAAAGAGCTGCGAGTACCATGCCCTTGTCCCGCTTCCAAGAAGTGTGTTGCTTCTGTAAG
 ATTATTTATGCTCCACCGAAGCGTAGCTTATGCTACTGTGAATCTTGCCGGAAGTGGCAGGAGATGA
 GGCCACAGGGCCGAGGAGAGCCTCCCCGGGAGTACGCCCTGCCTTTCGGATGGTGCAGGTTCAACCTT
 AGGGTGAATCCCCTCTGGAAGCTGGCACACTAACAAAGAAGTGGCACATGGCATATCATGGAAGCAGTG
 TAGCTTTGTGCGGAGAGTGTGGACCGAGGGGAGTGGGAGCAGGTACTACCTCCATCCTGAGCTGCC
 ACCTTTGAAGGGAGAGCCTGGGGTGGGATTTGAGGAGCCTGGTGAAGTGTGCACCTCCCCGGGAAGAG
 CAGCCCCCTCCAGTGTGCTCTCCCCCTCCCTTCAAGTATGCCGGGGCAGAGATGCTGGCCTCCAAAGTGC
 AATTCGGGACCAAAAATCCCAGCGGACACACCAGGCTCAGGTGGCCTTTCAGGTGTGTGTGCGCCCTGG
 CTCTATACTCCTGGCCCTCCCTCTGCGGCCCTCAGAGAAGTCTGACCAGCACTTCAGCCCATCGGAA
 CTTGAGTGGGTACTAAGGAGAAGGAGCCACACTCCTCTATGCCCTGCTGGTACGAGTGGAA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
 ACCN: NM_001291118
 Insert Size: 4686 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_001291118.1, NP_001278047.1</u>
RefSeq Size:	5261 bp
RefSeq ORF:	4686 bp
Locus ID:	216860
UniProt ID:	<u>Q5NCX5</u>
Cytogenetics:	11 B3
Gene Summary:	Promotes CCP110 ubiquitination and proteasome-dependent degradation. By counteracting accumulation of CP110, maintains normal centriolar homeostasis and preventing formation of ectopic microtubular organizing centers (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate splice site in the central coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1.