

Product datasheet for **MC218048**

5730410E15Rik (BC048945) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	5730410E15Rik (BC048945) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	5730410E15Rik
Synonyms:	Golsyn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC048945
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGTCCACGACAGGAAACAAGAGAGCCTCTTTCTCACGCAACCGAGGCCCTCATGGCGGAGCAATGGAG
CATCATCCCAAGTCTGGCAGCAGCCACCATCCCCAAGGAAAAAGACCTTGTGTCTATGCTGTGCAG
GAATCCACTGAGCCCCAGTAACATCCACCCTAGTTACGCCCTTCTTCTCCAAGTAGCAGCAACTCCGGC
TCCTACAAAGGAAGTGATTGTAGTCCAGTCATGAGAAGGTCTGGAAGATACATGTCTTGTGGCGAAAATC
ACGGTGTCAAACCCCAAATCCAGAACAGTATTTGACTCCTCTGCAGCAGAAGGAGGTCACAGTGAGGCA
CCTGAGGACCAAGCTGAAGGAGTCTGAGCGCCGACTCCATGAGAGGGAATCTGAAATCATGGAGCTCAAG
TCTCAGCTGGCTCGAATGAGGGAGGACTGGATTGAGGAAGAGTCCACAGAGTGGAGGCTCAGTTGGCAC
TCAAAGAAGCCAGAAAAGAGATTAACAGCTCAAACAGGTCATCGAGACTATGAGGAGCAGCTTGGCTGA
TAAAGATAAAGGCATTGAGAAGTACTTTGTGGACATAAACATCCAAAACAAGAACTGGAGTCTCTGCTT
CAAAGCATGGAGATGGCACAATAGTTCCCTGAGGGATGAACTGTGTCTTGACTTTTCCCTTGATTCCC
CAGAGAAAAGTTACCCCTGAGCAGCACATTTGACAAGTTGCCAGATGGGTTATCTCTGGAAGAACAGAT
AACAGAGGAAGGTGCTGACAGTGAGCTTCTGGTGGGAGACAGCATGGCTGAAGGCACAGATCTGTTAGAT
GAGATGGTGACTGCCACCACCACAGAAATCCAGTGGCCTGGAGTTTGTTCATTCCACTCCAGGGCCACAAG
CCCTCAAGGCTCTCCCTTGGTGAGCCACGAAGAGGGCATTGCGGTGATGGAGCAAGCCGTGCAGACCGA
CGTGGTGCCGTTACGCCCTGCCATCTCAGAGCTCATTAGAGTGTGCTAAAGCTGCAGGACTACTGTCCC
ACAAGCTCAGCATCTCCAGATGAATCTGGAGCTGACTCGATGGAAGCTTCTCAGAATCTATCTGCTGCT
TAATGCTTGATTTAACTCCAAGAAGTCTAACTCGGCCATCCTTCTGTCTCTGTGGAGATCCCATTGAG
CAAGGGGCTATGGAAGCCCATGCAAAATCGCCTCATGAGAGAGCTAGATTTTGCAGCCTACACAGAAGAA
AGATTGGACAGTGTCTCTCACTGTCCCAGGGCAGTGTGTGAGGCAGTACTGGAGCAGCAATTTCTTGG
TGGATCTACTGGCTGTGGCTGCCCTGTGGTACCCACTGTTCTGTGGCATTGAGTACTCAGAGAGGGGG
TACAGATCCTGTCTACAACATCGGAGCTTTGCTCCGAGTTGCTGTGTGGTGGCCCTACTCACTACGC
CGCACCCTTTCCACATGAAAACCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: BC048945

Insert Size: 1497 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).

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: [BC048945](#), [AAH48945](#)

RefSeq Size: 2679 bp

RefSeq ORF: 1496 bp

Locus ID: 319613

Cytogenetics: 15 B3.2

Gene Summary: Part of a kinesin motor-adaptor complex that is critical for the anterograde axonal transport of active zone components and contributes to activity-dependent presynaptic assembly during neuronal development.[UniProtKB/Swiss-Prot Function]