

Product datasheet for **MG209873**

5730410E15Rik (BC065045) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	5730410E15Rik (BC065045) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	5730410E15Rik
Synonyms:	Golsyn, mKIAA1472
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG209873 representing BC065045
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGGGCCCTCCGAGAGAGCAAGGAGCAGAGAGTGCAGCATCAGGAGAAAGAGATTTCCAGGAGCCGGA
TTCCCGGTTGATTCTGCGGCCCATCGGCCTCAGCAGCAGCAACAGCAGCAGAACAAGTTTCCCGAGC
CTCCGAGTCTCCCTTTTCGGAGGAAGAAAGTAGAGAGTTCAACCCAGCAGCTCTGGACGCTCAGCAAGG
ACGATTAGCAGCAACAGCTTCTGCTCAGATGACACAGGTTGTCCAGCAGCCAGTCGGTATCGCCTGTGA
AGACTCCTTCAGACACAGGGCACAGTCCCATTGGCTTTTGCCTGGAAGCGATGAAGACTTTACCAGGAA
GAAATGCAGGATTGGAATGGTTGGTGAGGGAAGTATTCAGTCAGCTCGTCATAAAAAAGAACCCAAAGGGA
GGCATCATAAAGCCAGGCAGTGAAGCAGATTTAGCTCCTCGAGCAGCACAGGCAGCATCTCGGCTCCTG
AGGTCCACATGTCCACGACAGGAAACAAGAGAGCCTCTTCTCACGCAACCGAGGCCCTCATGGCGGGAG
CAATGGAGCATCATCCACAAGTCTGGCAGCAGCCACCATCCCCAAGGGAAAAAGACCTTGTGTCTATG
CTGTGCAGGAATCACTGAGCCCAAGTAACATCCACCCTAGTTACGCCCTTCTTCTCCAAGTAGCAGCA
ACTCCGGCTCTACAAAGGAAGTGATTGTAGTCCAGTCATGAGAAGGTCTGGAAGATACATGTCTTGTGG
CGAAAAACACGGTGTCAAACCCCAATCCAGAACAGTATTTGACTCCTCTGCAGCAGAAGGAGGTCA
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GTTGGCACTCAAAGAAGCCAGAAAAGAGATTAACAGCTCAAACAGGTTCATCGAGACTATGAGGAGCAGC
TTGGCTGATAAAGATAAAGGCATTGAGAAGTACTTTGTGGACATAAACATCCAAAAAAGAAACTGGAGT
CTCTGCTTCAAAGCATGGAGATGGCACACAATAGTTCCCTGAGGGATGAACTGTGTCTTGACTTTTCCTT
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GCCACAAGCCCTCAAGGCTCTCCCTTGGTGAGCCACGAAGAGGGCATTGCGGTGATGGAGCAAGCCGTG
CAGACCGACGTGGTGCCGTTTCCAGCCTGCCATCTCAGAGCTCATTGAGAGTGTGCTAAAGCTGCAGGACT
ACTGTCCACAAGCTCAGCATCTCCAGATGAATCTGGAGCTGACTCGATGGAAAGCTTCTCAGAATCTAT
CTCTGCCTTAATGCTTGATTTAACTCCAAGAAGTCTAACTCGGCCATCCTTCTGTCTCCTGTGGAGATC
CCATTCAGCAAGGGGGCTATGGAAGCCATGCAAATCGCCTCATGAGAGAGCTAGATTTTGCAGCCTACA
CAGAAGAAAGATTGGACAGTGTCTCTCACTGTCCAGGGCAGTGTGTGAGGCAGTACTGGAGCAGCAA
TTTCTTGGTGGATCTACTGGCTGTGGCTGCCCTGTGGTACCCACTGTTCTGTGGGCATTAGTACTCAG
AGAGGGGTACAGATCCTGTCTACAACATCGGAGCTTTGCTCCGAGGTTGCTGTGTGGTGGCCCTACACT
CACTACGCCCGACCGCTTTCACATGAAAACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG209873 representing BC065045
 Red=Cloning site Green=Tags(s)

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MGPLRESKEQRVQHQEKEISRSRIPRLILRPHRPQQQQQQNKVSPASESPFSEESREFNPSSSGRSAR
TISSNSFCSDDTGCPSSQSVSPVKTPSDTGHSPIGFCPGSDEDFTRKKCRIGMVGEGSIQSARHKKEPKG
GIIKPGSEADFSSSSSTGSI SAPEVHMSTTGNKRASF SRNRGPHGRSNGASSHKSGSSPPSPREKDLVSM
LCRNPLSPSNIHPSYAPSSPSSNSGSYKGDSPVMRRSGRYMSCGENHGVKPPNPEQYL TPLQQKEVT
VRHLRRTLKESERRLHERESEIMELKSQLARMREDWIEEECHRVEAQLALKEARKEIKQLKQVIETMRSS
LADKDKGIQKYFVDINIQNKKLESL LQSMEMAHNSSLRDELCLDFSFDSPEKSLPLSSTFDKLPDGLSLE
EQITEEGADSELLVGDSMAEGTDL LDEMVTATTTESGLEFVHSTPGPQALKALPLVSHEEGIAVMEQAV
QTDVVPFSPAISELIQSVLKLDY CPTSSASPDES GADSMESFSESISALMLDL TPRSPNSAILLSPVEI
PFSKGAMEAHANRLMRELDFAAYTEERLDSVLSL SQGSVVRYWSSNFLVDLLAVAAPVPTVLWAFSTQ
RGGTDPVYNIGALLRGCCVVALHSLRRTAFHMKT
  
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TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: BC065045

ORF Size: 1994 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [BC065045](#), [AAH65045](#)

RefSeq Size: 3139 bp

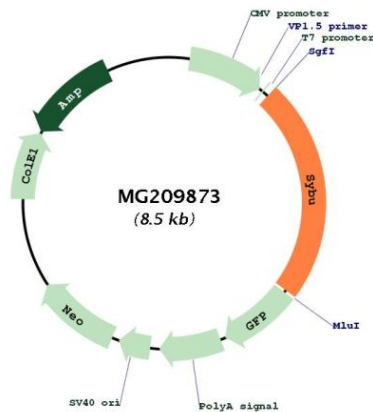
RefSeq ORF: 1994 bp

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]

Product images:



Circular map for MG209873