

Product datasheet for **MG207983**

5730410E15Rik (BC048945) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | 5730410E15Rik (BC048945) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | 5730410E15Rik |
| Synonyms: | Golsyn |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>MG207983 representing BC048945
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCACGACAGGAAACAAGAGAGCCTCTTTCTCACGCAACCGAGGCCCTCATGGCGGAGCAATGGAG
 CATCATCCCAAGTCTGGCAGCAGCCACCATCCCAAGGGAAAAAGACCTTGTGTCTATGCTGTGCAG
 GAATCCACTGAGCCCCAGTAACATCCACCCTAGTTACGCCCTTCTTCTCCAAGTAGCAGCAACTCCGGC
 TCCTACAAAGGAAGTGATTGTAGTCCAGTCATGAGAAGGTCTGGAAGATACATGTCTTGTGGCGAAAATC
 ACGGTGTCAAACCCCAAATCCAGAACAGTATTTGACTCCTCTGCAGCAGAAGGAGGTCACAGTGAGGCA
 CCTGAGGACCAAGCTGAAGGAGTCTGAGCGCCGACTCCATGAGAGGGAATCTGAAATCATGGAGCTCAAG
 TCTCAGCTGGCTCGAATGAGGGAGGACTGGATTGAGGAAGAGTCCACAGAGTGGAGGCTCAGTTGGCAC
 TCAAAGAAGCCAGAAAAGAGATTAACAGCTCAAACAGGTCATCGAGACTATGAGGAGCAGCTTGGCTGA
 TAAAGATAAAGGCATTGAGAAGTACTTTGTGGACATAAACATCCAAAACAAGAACTGGAGTCTCTGCTT
 CAAAGCATGGAGATGGCACAATAGTTCCCTGAGGGATGAACTGTGTCTTGACTTTTCCCTTTGATTCCC
 CAGAGAAAAGTTTACCCCTGAGCAGCACATTTGACAAGTTGCCAGATGGGTTATCTCTGGAAGAACAGAT
 AACAGAGGAAGGTGCTGACAGTGAGCTTCTGGTGGGAGACAGCATGGCTGAAGGCACAGATCTGTTAGAT
 GAGATGGTGACTGCCACCACCACAGAAATCCAGTGGCCTGGAGTTTGTTCATTCCACTCCAGGGCCACAAG
 CCCTCAAGGCTCTCCCTTGGTGAGCCACGAAGAGGGCATTGCGGTGATGGAGCAAGCCGTGCAGACCGA
 CGTGGTGCCGTTACGCCCTGCCATCTCAGAGCTCATTAGAGTGTGCTAAAGCTGCAGGACTACTGTCCC
 ACAAGCTCAGCATCTCCAGATGAATCTGGAGCTGACTCGATGGAAGCTTCTCAGAATCTATCTCTGCCT
 TAATGCTTGATTTAACTCCAAGAAGTCTTAAGTCTGAGGCTGACTCGATGGAAGCTTCTCAGAATCTATCTCTCAG
 CAAGGGGCTATGGAAGCCCATGCAAATCGCCTCATGAGAGAGCTAGATTTTGCAGCCTACACAGAAGAA
 AGATTGGACAGTGTCTCTCACTGTCCCAGGGCAGTGTGTGAGGCAGTACTGGAGCAGCAATTTCTTGG
 TGGATCTACTGGCTGTGGCTGCCCTGTGGTACCCACTGTTCTGTGGCATTCACTACTCAGAGAGGGGG
 TACAGATCCTGTCTACAACATCGGAGCTTTGCTCCGAGTTGCTGTGTGGTGGCCCTACACTCACTACGC
 CGCACCCTTTCCACATGAAAACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207983 representing BC048945
 Red=Cloning site Green=Tags(s)

MSTTGNKRASFSRNRGPHGRSNGASSHKSGSSPPSPREKDLVSMMLCRNPLSPSNIHPSYAPSSPSSNSG
 SYKSDCSPVMRRSGRYMSCGENHGVKPPNPEQYL TPLQQKEVTVRHLRKLKESERRLHERESEIMELK
 SQLARMREDWIEEECHRVEAQLALKEARKEIKQLKQVIETMRSSLADKDKGIQKYFVDINIQNKKLESLL
 QSMEMAHNSSLRDELCLDFSFSPEKSLPLSSTFDKLPDGLSLEEQITEEGADSELLVGD SMAEGTDLLD
 EMVTATTTESGLFVHSTPGPQALKALPLVSHEEGIAVMEQAVQTDVVPFSPAISELIQSVLKLQDYCP
 TSSASPDSESGADSMESFSESISALMLDLTPRSPNSAILLSPVEIPFSKGAMEAHANRLMRELDFAAYTEE
 RLDSVLSLSQGSVVRQYWSNFLVDLLAVAAPVPTVLWAFSTQRGGTDPVYNIGALLRGCCVVALHSLR
 RTAFHMKT

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC048945

ORF Size: 1496 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: [BC048945](#), [AAH48945](#)

RefSeq Size: 2679 bp

RefSeq ORF: 1496 bp

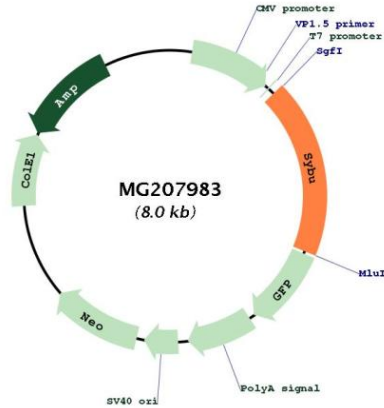
Locus ID: 319613

Cytogenetics: 15 B3.2

Gene Summary:

Part of a kinesin motor-adapter 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 MG207983