

## Product datasheet for **MR207983**

### 5730410E15Rik (BC048945) Mouse Tagged ORF Clone

#### Product data:

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



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**ORF Nucleotide Sequence:**

>MR207983 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCCACGACAGAAACAAGAGAGCCTCTTTCTCACGCAACCGAGGCCCTCATGGCGGAGCAATGGAG  
 CATCATCCCAAGTCTGGCAGCAGCCACCATCCCAAGGAAAAAGACCTTGTGTCTATGCTGTGCAG  
 GAATCCACTGAGCCCCAGTAACATCCACCCTAGTTACGCCCTTCTTCTCCAAGTAGCAGCAACTCCGGC  
 TCCTACAAAGGAAGTGATTGTAGTCCAGTCATGAGAAGGTCTGGAAGATACATGTCTTGTGGCGAAAATC  
 ACGGTGTCAAACCCCAAATCCAGAACAGTATTTGACTCCTCTGCAGCAGAAGGAGGTCACAGTGAGGCA  
 CCTGAGGACCAAGCTGAAGGAGTCTGAGCGCCGACTCCATGAGAGGGAATCTGAAATCATGGAGCTCAAG  
 TCTCAGCTGGCTCGAATGAGGGAGGACTGGATTGAGGAAGAGTCCACAGAGTGGAGGCTCAGTTGGCAC  
 TCAAAGAAGCCAGAAAAGAGATTAACAGCTCAAACAGGTCATCGAGACTATGAGGAGCAGCTTGGCTGA  
 TAAAGATAAAGGCATTCAGAAGTACTTTGTGGACATAAACATCCAAAACAAGAACTGGAGTCTCTGCTT  
 CAAAGCATGGAGATGGCACAATAGTTCCCTGAGGGATGAACTGTGTCTTGACTTTTCCCTTGGATTCCC  
 CAGAGAAAAGTTACCCCTGAGCAGCACATTTGACAAGTTGCCAGATGGGTTATCTCTGGAAGAACAGAT  
 AACAGAGGAAGGTGCTGACAGTGAGCTTCTGGTGGGAGACAGCATGGCTGAAGGCACAGATCTGTTAGAT  
 GAGATGGTGACTGCCACCACCACAGAATCCAGTGGCCTGGAGTTTGTTCATTCCACTCCAGGGCCACAAG  
 CCCTCAAGGCTCTCCCTTGGTGAGCCACGAAGAGGGCATTGCGGTGATGGAGCAAGCCGTGCAGACCGA  
 CGTGGTGCCGTTACGCCCTGCCATCTCAGAGCTCATTAGAGTGTGCTAAAGCTGCAGGACTACTGTCCC  
 ACAAGCTCAGCATCTCCAGATGAATCTGGAGCTGACTCGATGGAAGCTTCTCAGAATCTATCTGCCT  
 TAATGCTTGATTTAACTCCAAGAAGTCTAACTCGGCCATCCTTCTGTCTCTGTGGAGATCCCATTGAG  
 CAAGGGGCTATGGAAGCCCATGCAAATCGCCTCATGAGAGAGCTAGATTTTGCAGCCTACACAGAAGAA  
 AGATTGGACAGTGTCTCTCACTGTCCCAGGGCAGTGTGTGAGGCAGTACTGGAGCAGCAATTTCTTGG  
 TGGATCTACTGGCTGTGGCTGCCCTGTGGTACCCACTGTTCTGTGGCATTGAGTACTCAGAGAGGGGG  
 TACAGATCCTGTCTACAACATCGGAGCTTTGCTCCGAGTTGCTGTGTGGTGGCCCTACTACTACTACGC  
 CGCACCCTTTCCACATGAAAACC

**ACGGT**ACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207983 protein sequence  
 Red=Cloning site Green=Tags(s)

MSTTGNKRASFSRNRGPHGRSNGASSHKSGSSPPSPREKDLVSMLCRNPLSPSNIHPSYAPSSPSSNSG  
 SYKSDCSPVMRRSGRYMSCGENHGVKPPNPEQYL TPLQQKEVTVRHLRTKLKESERRLHERESEIMELK  
 SQLARMREDWIEEECHRVEAQLALKEARKEIKQLKQVIETMRSSLADKDKGIQKYFVDINIQNKKLESLL  
 QSMEMAHNSSLRDELCLDFSFDSPEKSLPLSSTFDKLPDGLSLEEQITEEGADSELLVGD SMAEGTDLLD  
 EMVTATTTESGLEFVHSTPGPQALKALPLVSHEEGIAVMEQAVQTDVVPFSPAISELIQSVLKLQDYCP  
 TSSASPDESGADSMESFSESISALMLDLTPRSPNSAILLSPVEIPFSKGAMEAHANRLMRELDFAAYTEE  
 RLDSVLSLSQGSVVRQYWSSNFLVDLLAVAAPVVPTVLWAFSTQRGGTDPVYNIGALLRGCCVVALHSLR  
 RTAFHMKT

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** BC048945

**ORF Size:** 1494 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

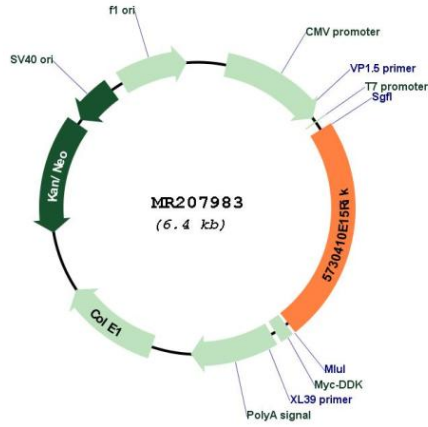
**Cytogenetics:** 15 B3.2

**MW:** 54.9 kDa

**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 MR207983