

Product datasheet for **RC239065**

C6orf70 (ERMARD) (NM_001278533) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C6orf70 (ERMARD) (NM_001278533) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C6orf70
Synonyms:	C6orf70; dJ266L20.3; PVNH6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC239065 representing NM_001278533
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGAGGTATTAATAGGGGACCCTATTACCACATGTCTTTCTCCCTCAGTGTATGATATAATTTGTAATC
 TTGGGTTTCAACTCAGAGAAAATTGTGATATCAATAGCATTGTAACCTCAGAATGGTGAAGTATGCTGGAA
 AACAAACACAGACTGTGTGAGCTACACAGAGTCAGAGCAGGGTCTGGATTACTGGGAAGCGTGAGGCTG
 CTGGGCGCTGTGTGAGGCTGTCCATTACATTTCTTATCTCTGACCAAGGGGCAATTTGAAATTCGAT
 ATGCACCGTGGTCCAGTGGACAAGTTTCCAGAGTTATTTCTGAAATATTTGATGCCTTGAAAGTCT
 ACAATCTCCTGCTATTTCTCTAGCTTAATGAACTGACATCGTGTCTAGAACGAGCCTTGGGTGATGTA
 TTTTACTGATTGGGAAGGAATGCCCTTTCTTTAAGAGATCTGCTTTCATCTGAGGAGCTTGCTCAAG
 TCTTCAGTCAGTCTGTGATGAATGTGCTAAAAGTCTTCGTTGGCTCTCCGTGGTCTCAACCTGCGTAA
 CGTCTTATGGCATGGGTTTTCGTCACCTGAAGAAATTCCTCCAAATACTGTTCAATGATGATACTGTTG
 ACGGCAGGATTGGGTGAGTACTGAAGAGTTACCTTCAAAACACTAACTTACATTGGGCACATCGCTCTT
 TCATATCTCTTACAAACCTCGAGGATTTGATTGTTTTCTGATGTTACTTATGAGGTGCTTTCAGTATT
 AGAAGAAGTGATGATGAAATCTGCTTTTATATTAATAATCATGTTACCATATTGGGAAGTGCAGTGGTC
 AAGTTCAAGTCACACAGGTTTGTGACTGCGCCATATTGTTGCTGACACAACCTGGAGACTGGACTTAGGA
 ATGTTTTTGCCACACTTAACAGATGTCCAAAAGACTCCTGACTGCTGAGTCAACAGCTCTTTATACCAC
 CTTTGATCAAATATTGGCAAAACACTTGAATGATGGTAAAATCAATCAGCTTCTCTTTTCTTGGAGAG
 CCTGCTATGGAATTTCTCTGGGATTTCTGAACCATCAGGAGGGTCCCGCATAAGAGATCATTTAAGCC
 ACGGGGAGATCAACTTACATGAATTTTCAAAGAAACAATAATCAGTTGCTTGCATTTTCTCTGTACT
 GCTACTCAGATTCGTTGATGACTGTCTGCTATCAGTTTTTAAGGAAAAATCAGCCGTAGAATTGTTGATT
 AGTCTTGCAAGGCTATAGTTCTCGCTGTCATCCGGTTTTTCAGCTTAAAAACAGGTGCTGAGCTGTG
 AGGAGAGCATCAGGGTTTGGGCTCTGCTGCCTTTCCCGAAGAACTCACTCGGCAAGCCGTGAGATTAGA
 AGATAATTCTGAAACAAATGCCTGCCACTCTTTGATTACAAAAATGACGGATGAGCTGTATACCATATG
 CCTGAGAATCGTTGTGTGTTAAAGGACTTGGATCGTCTTCTACTGAGACTATCAGACTACTGTCCCTG
 TGCTCAGCCTGATACTGTTACTCATTGCGCTGGAGTTGGTCAACATTCATGCTGTTTGTGGGAAGATGC
 GCATGAGTATCAGCAGTACCTAAAGTTTGTAAAGTCGATCTTGAGTACACGAGAACCTGGTGGCTTAC
 ACCAGTTACGAAAAGAACAGTGAATGAACTATCAATCTTACACATACAGCTTTGTTGAAAATGTGGA
 CTTTATAGTGAAGAAACAAATGTTAATACATTTAGCCAAGAAATCCACAAGTAAAGTACTCTTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC239065 representing NM_001278533
 Red=Cloning site Green=Tags(s)

MEVLIGDPITTCCLSPSVYDIICNLGFQLRENCINSIVTQNGEVCWKITITDCVSYTESEQGLDYWGSVRL
 LGPVCEAVHSHFLSLTKGQFEIRYAPWFQWTSFPELFPFIDALESLQSPAISLSLMKLTSLERALGDV
 FLLIGKECPFLRLDLSSEELAQVFSQSYMNVLKVFVGSPLNLRNVLWHGFASPEEIPPKYCSMMILL
 TAGLGQLLKSYLQNTKLTLAHRSFISLTNEDLIVFPDVTYEVLVLEEVMMSAFILKIMLPYWEVALV
 KFKSHRFADCAILLTQLETGLRNVFATLNRCPKRLTAEATALYTFDQILAKHLNDGKINQLPLFLGE
 PAMEFLWDFLNHQEGPRI RDHLSHGEINLHEFSKETTNQLLAFSLVLLRFVDDCLLSVFKEKSAVELLI
 SLAEGYSSRCHPVFQLKKQVLSCEESIRWALLPFPEELTRQAVRLEDNSETNACHSLITKMTDELYHHM
 PENRCVLKDLRLPTETIRLLSPVLSILLIALELVNIHAVCGKNAHEYQQYLKFVKISILQYTENLVAY
 TSYEKNKWNETINLTHALLKMWTFSEKKQMLIHLAKKSTSKVLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001278533

ORF Size: 1815 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001278533.2](#)

RefSeq Size: 1925 bp

RefSeq ORF: 1818 bp

Locus ID: 55780

UniProt ID: Q5T6L9

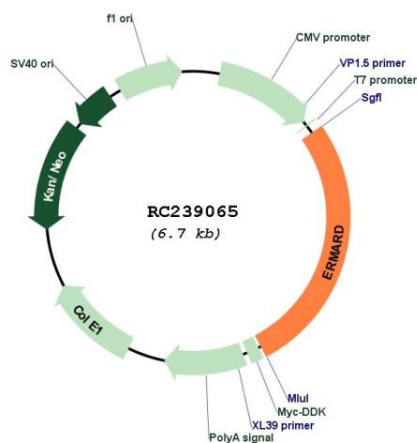
Cytogenetics: 6q27

Protein Families: Transmembrane

MW: 69.5 kDa

Gene Summary: The protein encoded by this gene contains 2 transmembrane domains near the C-terminus and is localized in the endoplasmic reticulum. Knockout of this gene in developing rat brain showed that it may be involved in neuronal migration. Mutations in this gene are associated with periventricular nodular heterotopia-6 (PVNH6). Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Dec 2013]

Product images:



Circular map for RC239065