

Product datasheet for **RC224504**

C3orf17 (NEPRO) (NM_015412) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	C3orf17
Synonyms:	ANXD3; C3orf17; NET17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC224504 representing NM_015412
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGGCTGCGGTGCCCGGGCCTGGAGCCGTGGAACCGTGTGAGAATCCCTAAGGCGGGGAACCGCA
GCGCAGTGACAGTGACAGAACCCCGCGCGGCCCTTGACCTTTGCATTGCAGCTGAATTAAGAATGCCA
TCTCGTCATACTGTCGCTGAAGAGCCAAACCTTAGATGCAGAAACAGATGTGTATGTGCAGTCTTTAC
AGCAATCACAAACAGAAATGGGCCGCCACAAACCCATTGGCCCTCAAACAGGTTGAGCAATGTTTAAAGC
GTTTGAAAAACATGAATTTGGAGGGCTCAATTCAGACCTGTTTGAGTTGTTTTCTTCCAATGAAATCA
GCCCTTAACCTACCAAGATATGTGTTGCCAGTCAGCCAGTGGTGGAGTTGGTGTGATGAAGGTTTTG
GGAGCCTGCAAGTTGTTGCTCCGCTGTTGGAGTGTCTGCTGCAAACTTTCTTTTGACTGTGAAACATC
TAGGTTTGCAAGAGTTCATTATTTTAAACCTTGATGTTGGGCTGGTGGAGGTTATGGGTTCTCTA
TAAAGGTGTCTTAAAAAGGTTGATTTGTTATATGAGCCTTTGTTGGATTGCTTCAAGAGGTCGCTAGG
ATTCACCAATGCCTTACTTCAAAGATTTTACCTTTCTTCTGATATCACTGAATTTTAGGACAGCCAT
ATTTTGAAGCCTTAAAGAAAAATGCCTATAGCTTTTGACAGTAAAGGAATAAATAAATTGCTAAATAA
ACTGTTTTTAATAAATGAGCAGTCACCAAGAGCCAGTGAAGAACTTGCTTGGAAATTTCAAAAAAGCT
AAACAAATGAAGATCAATGTACAGAATAATGTGGATCTTGGACAGCCAGTAAAGAATAAGAGAGTCTTCA
AAGAAGAGTCATCAGAATTTGATGTGAGGGCTTTCTGCAACCAGCTGAAACACAAAGCTACTCAGGAGAC
CAGTTTTGATTTTAAATGTTCTCAATCCAGACTAAAGACAACCAAGTATTCTTCTCAGAAAGTGATAGGA
ACTCCTCATGCCAAAAGTTTTGTGCAAGATTCGAGAGGCTGAGTCTTCACACAATTTCTGAAGAAA
TCCAGATGGCAGTTGTATGGTGCAGGAGCAAAAACTCAAGGCTCAGGCCATTTTCTGGGTAACAACT
TCTTAAAGCAACCGGCTTAAACATCTGGAAGCTCAAGGTACTAGTTTGCCAAAGAACTAGAGTGCATA
AAAACGTCTATTTGCAACCACCTTCTCGTGGCTCAGGTATCAAACTTCAAAGCATCATCTGAGACAGA
GAAGATCACAGAATAAATTTTACGGAGACAAAGGAACACAGAGAAAGTTGCAGTCGACTCTTTAAG
GGAAATTCAGCAGTTCTCTCAAGGACTCGGAAGAGTGCTACAGATACCAGTGCTAAGTGGAGACTCTCA
CACTGTACTGTGCATAGAAGTATCTCTACCCTAACAGTAAGCAGCTCTTGAATAGTGGAGTTTCAATGC
CTGTATACAACTAAGGAGAAAATGATTCATGAAAATCTTAGAGGCATCCATGAAAATGAACTGATTC
GTGGACGGTGATGCAATAAATAAAACAGTACATCAGGAACCATTAAGGAGACAGATGACATTGATGAT
ATTTTGTCTTAATGGAGTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC224504 representing NM_015412
Red=Cloning site Green=Tags(s)

MMAAVPPGLEPWNVRIPKAGNRSVAVTVQNPGAALDLCIAAVIKECHLVILSLKSQTLDAETDVLCAVLV
SNHNRMGRHKPHLALKQVEQCLKRLKNMNLEGSIQDLFELFSSNENQPLTTKVCVVPSPVVELVLMKVL
GACKLLRLLDCCCKTFLLTVKHLGLQEFIIILNLMVGLVSRLWVLYKGVKRLILLYEPLFGLLQEVAR
IQPMPYFKDFTFSPDITEFLGQPYFEAFKKMPIAFAAKGINKLLNKLFLINEQSPRASEETLLGISKKA
KQMKINVQNNVDLGQPVKNKRVFKEESSEFDVRAFCNQLKHKATQETSFDKCSQSRLKTKYSSQKVI
TPHAKSFVQRFREAESFTQLSEEIQMAVVWCRSKLLKAQAIFLGNKLLKSNRLKHLEAQGTSLPKKLECI
KTSICNHLLRSGIKTSKHHLRQRRSQNKFLRRQRPQRKLQSTLLREIQQFSQGRKSATDTSKWRLS
HCTVHRTDLYPNSKQLNSGVSMPIQTEKMIHENLRGIHENETDSWTVMQINKNSTSGTIKETDDIDD
IFALMGV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8117_a02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015412

ORF Size: 1701 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_015412.4](#)

RefSeq Size: 4857 bp

RefSeq ORF: 1704 bp

Locus ID: 25871

UniProt ID: [Q6NW34](#)

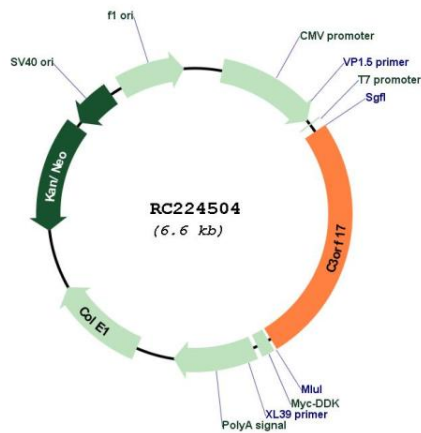
Cytogenetics: 3q13.2

Protein Families: Transmembrane

MW: 64.6 kDa

Gene Summary: May play a role in cortex development as part of the Notch signaling pathway. Downstream of Notch may repress the expression of proneural genes and inhibit neuronal differentiation thereby maintaining neural progenitors. May also play a role in preimplantation embryo development.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC224504