

Product datasheet for **RC217710**

RNF70 (PJA1) (NM_022368) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	RNF70
Synonyms:	PRAJA1; RNF70
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence: >RC217710 representing NM_022368
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGGTCAGGAATCTAGCAAGCCTGTATGGCCCAATCCAACAGGAGGGTATCAGTCCAATACAGGTAGGA
 GGTATGGAAGAAGGCATGCTTATGTCAAGTTTCAGGCCACCCACGAGCCAGCGGAAAGGATTGCCAGCCA
 GAGAAAGACGAACCTCCGAAGTCCCAATGCACAGATCAGCCCCAGTCAAACCACCAAGAGGAGCCGATCG
 CCATTTTCCACTACTCGTCGTAGTTGGGACGACAGCGAGAGTTCGGGAACCAACCTGAATATTGATAATG
 AGGACTATTCCAGTACTTCCAGGTGGAGGGATACCGCCAATGACAATGAGGGCCACTCGGATGGCCTGGC
 AAGAAGAGGGAGAGGCGAGAGTTCAAGTGGCTATCCCGAGCCAAAGTACCCTGAAGACAAACGGGAAGCG
 AGGAGTGACCAAGTGAAACCAGAAAAGGTGCCGAGACGACGACGACCATGGCCGACCTGACTTCTGGA
 CGCACAGTGATGATTACTACAAATACTGCGACGAAGACTCTGACAGTGACAAAGAGTGGATTGCTGCTCT
 GCGTCGGAAATATCGAAGCCGAGAGCAACCTGTCTCCAGTGGCGAAAGCTGGGAGACTCTGCCGGGG
 AAAGAAGAGCGGGAACTCCACAGGCTAAGGTGAGTGCCAGCACTGGCACCAGCCCTGGCCCGGTGCTA
 GTGCCAGTGCCGGGGCTGGCGCCGGGGCCAGTGCTGGCAGCAATGGCAGCAATTACCTTGAAGAAGTTTCG
 AGAACCATCTCTTCAGGAAGAGCAGGCATCCCTGGAAGAAGGAGAAATTCCTTGGCTCCAGTACCATGAG
 AATGACAGTAGCAGTGAGGGGGATAATGATTCTGGTCACGAGTTGATGCAACCTGGGGTATTCATGCTGG
 ATGGAACAACAACCTTGAAGATGACTCCAGTGTGAGCGAAGACCTAGAAGTGGATTGGAGCCTCTTTGA
 TGGATTTCAGATGGGTTAGGAGTGGCTGAAGCCATTTCTATGTGGACCCTCAGTTCCTCACCTACATG
 GCACCTGAAGAAGCCTGGCCAGGCAATGAAACTGCCCTTGGCAGTGGAGTCTCTCGCAGTGGATG
 TAGAGTGGCCAAATCCACAGCAAGCAAGGAGAGCATTGACGCTCTCCCGAGATCCTGGTCACTGAAGA
 TCATGGCGCAGTTGGTCAGGAGATGTGCTGCCCATCTGCTGTAGCGAATATGTGAAGGGGGAGGTGGCA
 ACTGAGCTGCCGTGCCACCACTATTTCCACAAGCCGTGTGTGTCCATCTGGCTTCAGAAGTCAGGCACCT
 GCCCGGTGTGCCGTGCATGTTCCCTCCCCCACTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC217710 representing NM_022368
 Red=Cloning site Green=Tags(s)

MGQESSKPVPNPNTGGYQSNTGRRYGRRHAYVSFRPPTSQRERIASQRKTNSEVPMHRSAPSQTTKRSRS
 PFSTTRRSWDDSESSGTLNIDNEDYSSTRWRDTANDNEGHSGLARRGRGESSSGYPEPKYPEDKREA
 RSDQVKPEKVPRRRTMADPDFWTHSDDYKYCEDSDSDKEWIAALRRKYRSREQLSSSGESWETLPG
 KEEREPPQAKVSASTGTSPGPASAGAGAGASAGSNGSNYLEEVREPSLQEEQASLEEGEIPWLQYHE
 NDSSSEGDNDSGHELMQPGVFMLDGNNLEDDSSVSEDLVDWSLFDGFDGLVGAEAISYVDPQFLT
 ALERLAQAMETALAHLESIAVDVEVANPPASKESIDALPEILVTEHDHGAVGQEMCCPICSEYVKGEVA
 TELPCHHYFHKPCVSIWLQSGTGPVCRMFPPPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8061_b03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_022368

ORF Size: 1365 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_022368.5](#)

RefSeq Size: 2182 bp

RefSeq ORF: 1368 bp

Locus ID: 64219

UniProt ID: [Q8NG27](#)

Cytogenetics: Xq13.1

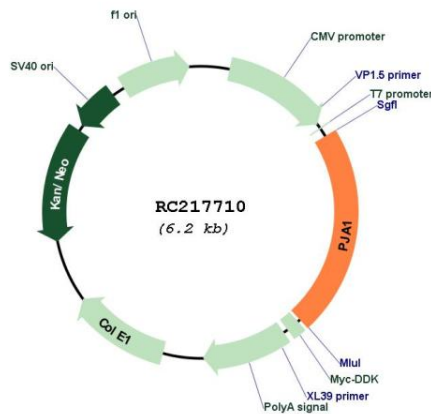
Domains: RING

Protein Families: Druggable Genome

MW: 50.3 kDa

Gene Summary: This gene encodes an enzyme that has E2-dependent E3 ubiquitin-protein ligase activity. This enzyme belongs to a class of ubiquitin ligases that include a RING finger motif, and it can interact with the E2 ubiquitin-conjugating enzyme UbcH5B. This gene is located in an area of chromosome X where several X-linked cognitive disability disorders have been associated, and it has also been found as part of a contiguous gene deletion associated with craniofrontonasal syndrome, though a direct link to any disorder has yet to be demonstrated. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2010]

Product images:



Circular map for RC217710