

Product datasheet for **RC224490**

RNF70 (PJA1) (NM_145119) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF70 (PJA1) (NM_145119) Human Tagged ORF Clone
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:**

>RC224490 representing NM_145119
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGGTCAGGAATCTAGCAAGCCTGTATGGCCCAATCCAACAGGAGGGTATCAGTCCAATACAGGTAGGA
 GGTATGGAAGAAGGCATGCTTATGTCAGTTTCAGGCCACCCACGAGCCAGCGGAAAGGATTGCCAGCCA
 GAGAAAGACGAACTCCGAAGTCCAATGCACAGATCAGCCCCAGTCAAACCAACAGAGAGCCGATCG
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 GGCAACTGAGCTGCCGTGCCACCACTATTTCCACAAGCCGTGTGTGTCCATCTGGCTTCAGAAGTCAGGC
 ACCTGCCCCGTGTGCCGTGCATGTTCCCTCCCCCACTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC224490 representing NM_145119
 Red=Cloning site Green=Tags(s)

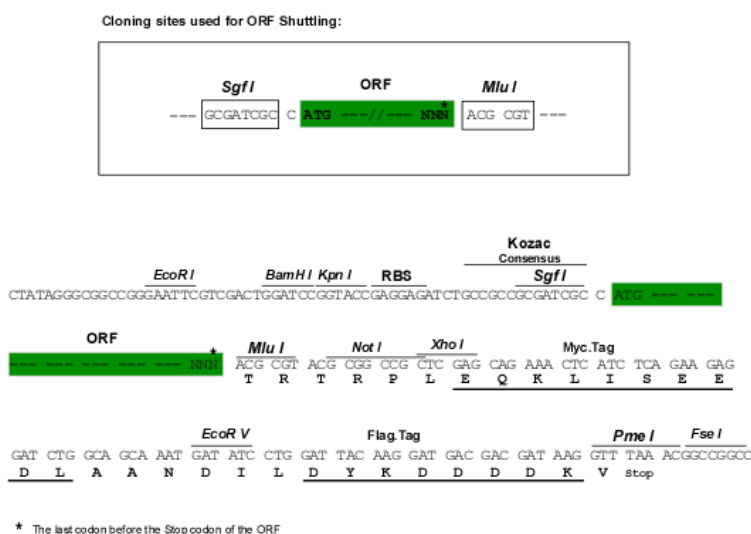
MGQESSKPVWPNTGGYQSNTRRYGRRHAYVSFRPPTSQRERIASQRKTNSEVPMHRSAPSQTTKRSR
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WTHSDDYYKYCEDSDSDKEWIAALRRKYRSREQL SSSGESWETLPGKEEREPPQAKVSASTGTS PGPG
ASASAGAGAGASAGSNGSNYLEEVREPSLQEEQASLEEI PWLQYHENDSSSEGDND SGHELMQPGVFM
LDGNNLEDDSSVSEDLVDWSLFDG FADGLGVAEAI SYDPQFLT YMALEERLAQAMETALAHLESLAV
DVEVANPPASKESIDALPEIL VTEDHGAVGQEMCCPICCSEYVKGEVATELPCHHYFHKPCVSIWLQKSG
TCPVCRCMFPPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg2876_f01.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_145119

ORF Size: 1929 bp

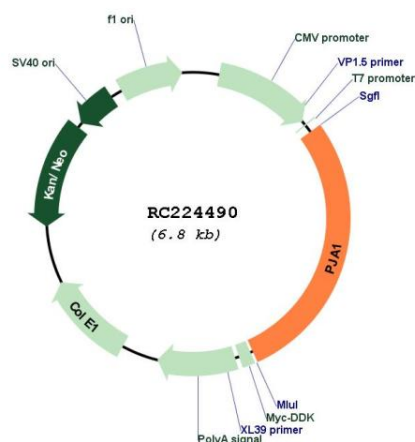
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

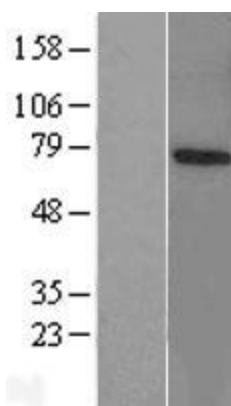
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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:	<u>NM_145119.4</u>
RefSeq Size:	2700 bp
RefSeq ORF:	1932 bp
Locus ID:	64219
UniProt ID:	<u>Q8NG27</u>
Cytogenetics:	Xq13.1
Protein Families:	Druggable Genome
MW:	70.8 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 RC224490



Western blot validation of overexpression lysate (Cat# [LY408024]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224490 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).