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Product datasheet for SC317746

RNF70 (PJA1) (NM_022368) Human Untagged Clone

Product data:

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

Fully Sequenced ORF:

>SC317746 representing NM_022368.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGTCAGGAATCTAGCAAGCCTGTATGGCCCAATCCAACAGGAGGGTATCAGTCCAATACAGGTAGG
AGGTATGGAAGAAGGCATGCTTATGTCAGTTTCAGGCCACCCACGAGCCAGCGGGAAAGGATTGCCAGC
CAGAGAAAGACGAACTCCGAAGTCCCAATGCACAGATCAGCCCCCAGTCAAACCACCAAGAGGAGCCGA
TCGCCATTTTCCACTACTCGTCGTAGTTGGGACGACAGCGAGAGTTCGGGAACCAACCTGAATATTGAT
AATGAGGACTATTCCAGTACTTCCAGGTGGAGGGATACCGCCAATGACAATGAGGGCCACTCGGATGGC
CTGGCAAGAAGAGGGAGAGGCGAGAGTTCAAGTGGCTATCCCGAGCCAAAGTACCCTGAAGACAAACGG
GAAGCGAGGAGTGACCAAGTGAAACCAGAAAAGGTGCCGAGACGACGACGCACCATGGCCGACCCTGAC
TTCTGGACGCACAGTGATGATTACTACAAATACTGCGACGAAGACTCTGACAGTGACAAAGAGTGGATT
GCTGCTCTGCGTCGGAAATATCGAAGCCGAGAGCAAACCCTGTCCTCCAGTGGCGAAAGCTGGGAGACT
CTGCCGGGGAAAGAAGAGCGGGAACCTCCACAGGCTAAGGTGAGTGCCAGCACTGGCACCAGCCCTGGC
CCCGGTGCTAGTGCCAGTGCCGGGGCTGGCGCCGGGGCCAGTGCTGGCAGCAATGGCAGCAATTACCTT
GAAGAAGTTCGAGAACCATCTCTTCAGGAAGAGCAGGCATCCCTGGAAGAAGGAGAAATTCCTTGGCTC
CAGTACCATGAGAATGACAGTAGCAGTGAGGGGGATAATGATTCTGGTCACGAGTTGATGCAACCTGGG
GTATTCATGCTGGATGGAAACAACAACCTTGAAGATGACTCCAGTGTGAGCGAAGACCTAGAAGTGGAT
TGGAGCCTCTTTGATGGATTTGCAGATGGGTTAGGAGTGGCTGAAGCCATTTCCTATGTGGACCCTCAG
TTCCTCACCTACATGGCACTTGAAGAACGCCTGGCCCAGGCAATGGAAACTGCCCTTGCGCACTTGGAG
TCTCTCGCAGTGGATGTAGAGGTGGCCAATCCACCAGCAAGCAAGGAGAGCATTGACGCTCTTCCCGAG
ATCCTGGTCACTGAAGATCATGGCGCAGTTGGTCAGGAGATGTGCTGCCCCATCTGCTGTAGCGAATAT
GTGAAGGGGGAGGTGGCAACTGAGCTGCCGTGCCACCACTATTTCCACAAGCCGTGTGTGTCCATCTGG
CTTCAGAAGTCAGGCACCTGCCCCGTGTGCCGCTGCATGTTCCCTCCCCCACTCTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

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Restriction Sites:	SgfI-MluI
ACCN:	NM_022368
Insert Size:	1368 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_022368.4
RefSeq Size:	2316 bp
RefSeq ORF:	1368 bp
Locus ID:	64219
UniProt ID:	Q8NG27
Cytogenetics:	Xq13.1
Domains:	RING
Protein Families:	Druggable Genome
MW:	50.4 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] Transcript Variant: This variant (3) lacks an in-frame segment of the 5' coding region, compared to variant 1, resulting in an isoform (c) that is shorter than isoform a.