

Product datasheet for **SC321968**

RNF70 (PJA1) (NM_001032396) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF70 (PJA1) (NM_001032396) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF70
Synonyms:	PRAJA1; RNF70
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC321968
GGCGGTCCGAGATCCGAGAGCTCTGCTTCTCTGAAAAGCGTGTGGCTTTCTGGACTTGGT
CTACACCTGACAGTCACTGGAATGCTACTCCAGGCCTTAGAAGAAAGTGAACCTAATTTT
AAAGGCCCTTATTCTTTCTGTTACCTGCCTGCTGAAGTGAAATAAATCTCCCTGCTCC
TTTATTCTAACTGATTTTACTTTCCCATCTCAAAACGTGTGCAGGGAGCAGGAGCCCT
CCTACCCGAGCCCCAGCTGTATTGGAACCCCTCCTAAGTCAGAGTGATGGGTGAGGAATC
TAGCAAGCCTGTATGGCCCAATCCAACAGGAGGGTATCAGTCCAATACAGGTAGGAGGTA
TGGAAGAAGGCATGCTTATGTCAGTTTCAGGCCACCCACGAGCCAGCGGAAAGGATTGC
CAGCCAGAGAAAGACGAACCTCCGAAGTCCAATGCACAGATCAGCCCCAGTCAAACAC
CAAGAGGAGCCGATCGCCATTTTCCACTACTCGTCGATGTTGGGACGACAGCGAGAGTTC
GGGAACCAACCTGAATATTGATAATGAGGACTATTCCAGGTATCCGCCAAGAGAGTACAG
AGCTTCGGGTAGCAGAAGAGGAATGGCCTATGGACATATTGACTCTTATGGGCGAGATGA
TAGTGAGGAGGAGGGGCTGGGCTGTTGAGCGACCGCCAGTGAGAGGAAAACTGGCAA
GTTTAAAGATGATAAGCTGTATGACCCAGAGAAAGGGCAAGGTCTTTGGCTGGGCCACC
TCCACATTTCTCTAGTTTAGCCGTGATGTGAGAGAGGAGCGAGACAAGTTAGACCCAGT
CCCTGCAGCAAGATGCTCAGCTAGCAGAGCTGACTTCCTGCCACAAAGTAGTGTGCCTC
ACAGTCGCTTCTGAAGCAAGCTGGCTACAAAAGGTGACAGCTCGGAGAGGGAGAGAAG
GGAGCAAAATTTACCTGCACGTCCAGCAGGGCTCCTGTGAGTATTTGTGGTGGTGGGA
AAACACCTCAAAGAGTGACAGAGGAACCTGTGGTCAGGCCCAAAATCAGAAACCTGGCAAG
TCCAAACTGCGTGAAACCAAAAATTTTTTTGATACTGATGATGATGACGATATGCCACA
CAGTACTTCCAGTGGAGGGATACCGCAATGACAATGAGGGCCACTCGGATGGCCTGGC
AAGAAGAGGGAGAGGCGAGAGTTCAAGTGGCTATCCCGAGCCAAAGTACCCTGAAGACAA
ACGGGAAGCGAGGAGTGACCAAGTGAAACCAGAAAAGTGCCGAGACGACGACGACCAT
GGCCGACCTGACTTCTGGACGCACAGTGATGATTACTACAAATACTGCGACGAAGACTC
TGACAGTGACAAAGAGTGGATTGCTGCTGCTGCGTGGAAATATCGAAGCCGAGAGCAAAAC
CCTGTCTCCAGTGGCGAAAGCTGGGAGACTCTGCCGGGAAAGAAGAGCGGGAACCTCC
ACAGGCTAAGGTGAGTGCCAGCACTGGCACCAGCCCTGGCCCCGGTGCTAGTGCCAGTGC
CGGGGCTGGCGCCGGGGCCAGTGTGGCAGCAATGGCAGCAATTACCTTGAAGAAGTTTCG
AGAACCATCTCTTCAGGAAGAGCAGGCATCCCTGGAAGAAGGAGAAATTCCTTGGCTCCA
GTACCATGAGAATGACAGTAGCAGTGAGGGGGATAATGATTCTGGTCACGAGTTGATGCA
ACCTGGGGTATTATGCTGGATGGAACAACAACCTTGAAGATGACTCCAGTGTGAGCGA
AGACCTAGAAGTGGATTGGAGCCTCTTTGATGGATTTGCAGATGGGTTAGGAGTGGCTGA
AGCCATTTCTATGTGGACCCTCAGTTCCTCACCTACATGGCACTTGAAGAACGCCTGGC
CCAGGCAATGAAACTGCCCTTGGCGCACTTGGAGTCTCTCGCAGTGGATGTAGAGGTGGC
CAATCCACCAGCAAGCAAGGAGAGCATTGACGCTCTTCCCGAGATCCTGGTCACTGAAGA
TCATGGCGCAGTTGGTCAGGAGATGTGCTGCCCATCTGCTGTAGCGAATATGTGAAGGG
GGAGGTGGCAACTGAGCTGCCGTGCCACCACTATTTCCACAAGCCGTGTGTGTCCATCTG
GCTTCAGAAGTCAGGCACCTGCCCGTGTGCCGCTGCATGTTCCCTCCCCACTCTAAAG
ACCAAGGCCGTTTACTCCTGGTCTGATTATTTTCCCATCTGAAATCCACAATACTGCAG
GAGCCCTCTTGAAATTAACAATGGAAATAAAACCAATCAGTCAGTTAGCCTAAACCTATT
GATTCTCGTGATTATTTCCAATGTGAAAACAGTTGTGTATGATTGCATTAATAATCATA
TCATCTTTTAGAGGTAGAAAAGGGAAACTAACTTTCTAAATGCTACTTGAGATTGCA
GTAAGAAGATACGTTTTCTAACCTGAAAGTTAAATCGCATTTGTTTTCTTCAGTAGAATG
GGAATGTGTTGCTGTTACTTGAATGTCAAGTTTATCTGTTAAATATGTCCAAAAGGCAA
AATCATTTTTGTTGCATGTTATGGGTCGATGTTCTGTAAATTGCAGTGCCGTAAGGCTT
ATTAAGTTGTTCTTTGGTTTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_001032396

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.
RefSeq:	<u>NM_001032396.1, NP_001027568.1</u>
RefSeq Size:	2402 bp
RefSeq ORF:	1767 bp
Locus ID:	64219
UniProt ID:	<u>Q8NG27</u>
Cytogenetics:	Xq13.1
Protein Families:	Druggable Genome
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 (2, also known as PJA1beta) lacks a portion of the 5' UTR and 5' coding region, and uses a downstream start codon, compared to variant 1. The encoded isoform (b) is shorter at the N-terminus, compared to isoform a.