

Product datasheet for **SC108048**

RNF70 (PJA1) (NM_022368) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	RNF70
Synonyms:	PRAJA1; RNF70
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene ORF within SC108048 sequence for NM_022368 edited (data generated by NextGen Sequencing)

ATGGGTCAGGAATCTAGCAAGCCTGTATGGCCCAATCCAACAGGAGGGTATCAGTCCAAT
ACAGGTAGGAGGTATGGAAGAAGGCATGCTTATGTCAGTTTCAGGCCACCCACGAGCCAG
CGGGAAGGATTGCCAGCCAGAGAAAGACGAACTCCGAAGTCCCAATGCACAGATCAGCC
CCCAGTCAAACCAAGAGGAGCCGATCGCCATTTTCCACTACTCGTCGTAGTTGGGAC
GACAGCGAGAGTTCGGGAACCAACCTGAATATTGATAATGAGGACNNNNCAGTACTTCC
AGGTGGAGGGATACCGCAATGACAATGAGGGCCACTCGGATGGCCTGGCAAGAAGAGGG
AGAGGCGAGAGTTCAAGTGGCTATCCCGAGCCAAAGTACCCTGAAGACAAACGGGAAGCG
AGGAGTGACCAAGTGAAACAGAAAAGGTGCCGAGACGACGACCACTGGCCGACCCCT
GACTTCTGGACGCACAGTGATGATTACTACAAATACTGCGACGAAGACTCTGACAGTGAC
AAAGAGTGGATTGCTGCTCTGCGTCGGAATATCGAAGCCGAGAGCAAAACCCCTGCTCTCC
AGTGGCGAAAGCTGGGAGACTCTGCCGGGGAAGAAGAGCGGGAACCTCCACAGGCTAAG
GTGAGTGCCAGCACTGGCACCAGCCCTGGCCCCGGTGCTAGTGCCAGTGCCGGGGCTGGC
GCCGGGGCCAGTGCTGGCAGCAATGGCAGCAATTACCTGAAGAAGTTCGAGAACCATCT
CTTCAGGAAGAGCAGGCATCCCTGGAAGAAGGAGAAATTCCTTGGCTCCAGTACCATGAG
AATGACAGTAGCAGTGAGGGGGATAATGATTCTGGTCACGAGTTGATGCAACCTGGGGTA
TTATGCTGGATGGAAACAACAACCTTGAAGTGAATCCAGTGAGAGCAAGACCTAGAA
GTGGATTGGAGCCTCTTTGATGGATTGTCAGATGGGTTAGGAGTGGCTGAAGCCATTTCC
TATGTGGACCTCAGTTCTCACCTACATGGCACTTGAAGAAGCCTGGCCAGGCAATG
GAAACTGCCCTTGCGCACTTGGAGTCTCTCGCAGTGGATGAGAGGTGGCAATCCACCA
GCAAGCAAGGAGAGCATTGACGCTCTTCCGAGATCCTGGTCACTGAAGATCATGGCGCA
GTTGGTCAGGAGATGTGCTGCCCCATCTGCTGTAGCGAATATGTGAAGGGGGAGGTGGCA
ACTGAGCTGCCGTGCCACCACTATTTCACAAGCCGTGTGTCCATCTGGCTTCAGAAG
TCAGGCACCTGCCCGTGTGCCGTGCATGTTCCCTCCCCACTCTAA

Clone variation with respect to NM_022368.4
286 t=>n;287 a=>n;288 t=>n;289 t=>n;290 c=>n

**5' Read Nucleotide
Sequence:**

>OriGene 5' read for NM_022368 unedited
ATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGTGAGTATTTGTGG
TGGTGGGGAAAAACCTCAAAGAGTGCAGAGGAACCTGTGGTCAGGCCCAAAATCAGAAA
CCTGGCAAGTCCAAACTGCGTGAAACCAAAAATTTTTTTTGATACTGATGATGATGACGA
TATGCCACACAGTACTTCCAGGTGGAGGGATACCGCCAATGACAATGAGGGCCACTCGGA
TGGCCTGGCAAGAAGAGGGAGAGGCGAGAGTTCAGTGGCTATCCCGAGCCAAAGTACCC
TGAAGACAAACGGGAAGCGAGGAGTGACCAAGTGAACCCAGAAAAGGTGCCGAGACGACG
ACGCACCATGGCCGACCCTGACTTCTGGACGCACAGTGATGATTACTACAAATACTGCGA
CGAAGACTCTGACAGTGACAAAGAGTGGATTGCTGCTCTGCGTCGGAATATCGAAGCCG
AGAGCAAACCTGTCTCCAGTGGCGAAAGCTGGGAGACTTGCCGGGGAAAGAAGAGCG
GGAACCTCCACAGGCTAAGGTGAGTGCCAGCACTGGCACCAGCCCTGGCCCCGGTGCTAG
TGCCAGTGCCGNGCTGGCGCCGGGGCCAGTGCTGGCAGCAATGGCAGCAATTACCTTGA
AGAAGTTCGAGAACCATCTCTTCAGGAAGAGCAGGCATCCCTGGAAGAANGAGAAATTC
TTGGCTCCAGTACCATGAGAATGACAGTAGCAGTGAGGGGGATAATGATTCTGGTCACGA
GTTGATGCANCCTGNGGTATTATGCTGGATGGAAAACACACCTTGAAGAGACTNCAGTG
TGAGCGAGACCTAGAAGTGGATGGNAGCCTCTTGATGGATTGCN

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_022368 unedited ACTTGCACCCGGCCGCAATCTATGATCGATTCTTTTTTTTCTTTTTTTTTTTTAAAA CCAAAAAACAACCTTTAATAAGCTTTTACGGCACTGCAATTACAGGAACATCGACCCATA ACATGCAACAAAAATGATTTTGCCTTTTGGACATATTTAACAGATAAACTTGACATTACA AGTAACAGTAACACATTCCCATTCTACTGAACAAAACAAATGCGATTAACTTCCAGGTT ACAAAACGTCTCTTCTTACTGCACTCTCAAGTAGCATTTAAAAAGCTTAGTTTTACCTT TTCTAACCTCCAAAAGCATGATCTGATATTTAATGACCACATACACTACTGTAAACACAT TGGAAATAATCACCAGGAATCAATAGGTATAGGCTAACCCGACTGATCGAACTATTATC CTTGCCAACACAAAGAGGACTCCTGCTTATTTGCGGATACAATATGGGGAAAACATTCTT ACCACTACCTATCGGCCTTGCAATTTAAAGTGGGGGAGGATACACCACCCCACTCGGCG CTAGCACACGTCTACGAACACCTATGGACACACTTCACTCGAGGACAACCAGCAGTCATG CCTCCTTTTGGTCCCCATACTTTACCATTCACCACCCCCACGGGGGCCATAACCTAC AAGTAATCAGCTTCTCTCCCCCCCCCCCCCTCCTCTTATCTACTCTGCTCCTTT TCCTCCAGACGCTTACACTATACCTCTCTGTCTTTTATTTTCCCCCTGCACCCCTC CTCACCGAATTCAACTATTCCTTCTTATCCATATGATACCCGGCACCCACCCCTTGA TTTTCTATTGTTAACCTAACAAACCACACAGCGCTCCGCACCTCAGCCCTTTATGT TATAATCTACTGTACTTACACCACCCCTACATCCTCTCTTTTC
Restriction Sites:	NotI-NotI
ACCN:	NM_022368
Insert Size:	1730 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).
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_022368.1 , NP_071763.1
RefSeq Size:	1535 bp
RefSeq ORF:	1086 bp
Locus ID:	64219

UniProt ID: Q8NG27

Cytogenetics: Xq13.1

Domains: RING

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 (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.