

Product datasheet for **SC124584**

RNF70 (PJA1) (NM_145119) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF70 (PJA1) (NM_145119) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF70
Synonyms:	PRAJA1; RNF70
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC124584 sequence for NM_145119 edited (data generated by NextGen Sequencing)

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ATGGGTGAGGAATCTAGCAAGCCTGTATGGCCCAATCCAACAGGAGGGTATCAGTCCAAT
ACAGGTAGGAGGTATGGAAGAAGGCATGCTTATGTCAGTTTCAGGCCACCCACGAGCCAG
CGGGAAGGATTGCCAGCCAGAGAAAGACGAACCTCCGAAGTCCCAATGCACAGATCAGCC
CCCAGTCAAACCAAGAGGAGCCGATCGCCATTTTCCACTACTCGTCGTAGTTGGGAC
GACAGCGAGAGTTCCGGGAACCAACCTGAATATTGATAATGAGGACTATTCCAGGTATCCG
CCAAGAGAGTACAGAGCTTCGGGTAGCAGAAGAGGAATGGCCTATGGACATATTGACTCT
TATGGGGCAGATGATAGTGAGGAGGAGGGGCTGGGCCTGTTGAGCGACCGCCAGTGAGA
GGGAAACTGGCAAGTTTAAAGATGATAAGCTGTATGACCCAGAGAAAGGGGCAAGGTCT
TTGGCTGGGCCACCTCCACATTTCTCTAGTTTTAGCCGTGATGTGAGAGAGGAGCGAGAC
AAGTTAGACCCAGTCCCTGCAGCAAGATGCTCAGCTAGCAGAGCTGACTTCCTGCCACAA
AGTAGTGTGGCCTCACAGTCGTCTTCTGAAGGCAAGCTGGCTACAAAAGGTGACAGCTCG
GAGAGGGAGAGAAGGGAGCAAAATTTACCTGCACGTCCCAGCAGGGCTCCTGTGAGTATT
TGTGGTGGTGGGAAAACACCTCAAAGAGTGCAGAGGAACCTGTGGTCAGGCCCAAAATC
AGAAACCTGGCAAGTCCAAACTGCGTGAACCAAAAATTTTTTTTGATACTGATGATGAT
GACGATATGCCACACAGTACTTCCAGGTGGAGGGATACCGCCAATGACAATGAGGGCCAC
TCGGATGGCCTGGCAAGAAGAGGGAGAGGCGAGAGTTCAGTGGCTATCCCGAGCCAAAG
TACCCTGAAGACAAACGGGAAGCGAGGAGTGACCAAGTGAACCAAGAAAGGTGCCGAGA
CGACGACGCACCATGGCCGACCTGACTTCTGGACGCACAGTGATGATTACTACAATAC
TGCGACGAAGACTCTGACAGTGACAAAGAGTGGATTGTGCTCTGCGTCGGAAATATCGA
AGCCGAGAGCAAACCTGTCTCCAGTGGCGAAAGCTGGGAGACTCTGCCGGGAAAGAA
GAGCGGGAACCTCCACAGGCTAAGGTGAGTGCCAGCACTGGCACCAGCCCTGGCCCGGT
GCTAGTGCCAGTGCCGGGGCTGGCGCCGGGGCCAGTGCTGGCAGCAATGGCAGCAATTAC
CTTGAAGAAGTTCGAGAACCATCTCTTCAGGAAGAGCAGGCATCCCTGGAAGAAGGAGAA
ATTCTTGGCTCCAGTACCATGAGAATGACAGTAGCAGTGAGGGGGATAATGATTCTGGT
CACGAGTTGATGCAACCTGGGGTATTTCATGCTGGATGGAAACAACAACCTTGAAGATGAC
TCCAGTGTGAGCGAAGACCTAGAAGTGGATTGGAGCCTCTTTGATGGATTTGCAGATGGG
TTAGGAGTGGCTGAAGCCATTTCTATGTGGACCCTCAGTTCTCACCTACATGGCACTT
GAAGAACGCTGGCCAGGCAATGGAACTGCCCTTGCGCACTTGGAGTCTCTCGCAGTG
GATGTAGAGGTGGCCAATCCACCAGCAAGCAAGGAGAGCATTGACGCTCTTCCCGAGATC
CTGGTCACTGAAGATCATGGCGCAGTTGGTCAGGAGATGTGCTGCCCCATCTGCTGTAGC
GAATATGTGAAGGGGAGGTGGCAACTGAGCTGCCGTGCCACCACTATTTCCACAAGCCG
TGTGTGTCATCTGGCTTCAGAAGTCAGGCACCTGCCCGTGTGCCGTGCATGTTCCCT
CCCCACTCTAA

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Clone variation with respect to NM_145119.3

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_145119 unedited AATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCCTCGTGCCGAATTCGGCA CGAGGGGGAGCAGGAGCCCTCCTACCCGAGCCCCAGCTGTATTGGAAACCCTCCTAAGTC AGAGTGATGGGTGAGGAATCTAGCAAGCCTGTATGGCCAATCCAACAGGAGGGTATCAG TCCAATACAGGTAGGAGGTATGGAAGAAGGCATGCTTATGTCAGTTTCAGGCCACCCACG AGCCAGCGGGAAGGATTGCCAGCCAGAGAAAGACGAACCTCCGAAGTCCAATGCACAGA TCAGCCCCCAGTCAAACCACCAAGAGGAGCCGATCGCCATTTTCCACTACTCGTCGTAGT TGGGACGACAGCGAGAGTTCGGGAACCAACCTGAATATTGATAATGAGGACTATTCCAGG TATCCGCCAAGAGAGTACAGAGCTTCGGGTAGCAGAAGAGGAATGGCCTATGGACATATT GACTCTTATGGGGCAGATGATAGTGAGGAGGAGGGGGCTGGGCCTGTTGAGCGACCGCCA GTGAGAGGGAAAAGTGGCAAGTTTAAAGATGATAAGCTGTATGACCCAGAGAAAGGGCA AGGTCTTTGGCTGGGCCACCTCCACATTTCTAGTTNTAACCGTGATGTGAGAGAGGAG CGAGACAAGTTAAACCCAGTCCCTGCAGCAAGATGCTCAGCTAGCAGAGCTGACTTTCTG CCACAAGTAGTGTGGCCTCACAGTCGTCTTCTGAAGCAAGCCTGTACAAAAGTGACAGC TCGNAGAGGGAGAAAGGGAGCAAATTTACCTGCCCTCCCACAGGCTCCTGTGGTATTGGG TGGTTGGGAAACCCTCAAATGCGAGGACCTGGGTCAGCCCAAATAGAACTGGCAGTCAA CTGCTGAACCAAATTTTTTGTAT
Restriction Sites:	NotI-NotI
ACCN:	NM_145119
Insert Size:	2550 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.
RefSeq:	<u>NM_145119.1</u> , <u>NP_660095.1</u>
RefSeq Size:	2700 bp
RefSeq ORF:	1932 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 (1) represents the longest transcript and encodes the longest isoform (a).