

Product datasheet for **RC207203**

KF1 (RNF103) (NM_005667) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KF1 (RNF103) (NM_005667) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KF1
Synonyms:	HKF-1; KF-1; KF1; ZFP-103; ZFP103
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC207203 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

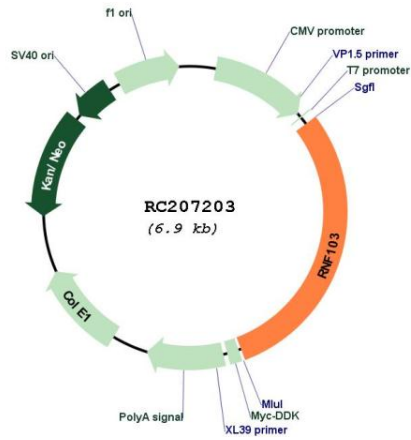
TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTGGCTGAAGCTTTTTTCTGCTCCTCTATTTCTGGTCCTGTTCTGCTCCTGGCCAGGTTTTTTGAGG
 CCATTGTGTGGTATGAACTGGCATCTTTGCCACCCAGCTGGTGGATCCGGTGGCGCTGAGCTTCAAGAA
 GCTGAAGACCATTTGGAGTGCCGGGGTTGGGCTACTCAGGGTTGCCCGAGAAGAAGGATGTCCGGGAG
 CTGGTGGAAAAGTCAGGTGACTTGATGGAGGGTGAGCTCTATTCTGCTCTCAAGGAAGAAGAAGCATCCG
 AATCGGTTTCTAGTACCAATTTCAAGTGGTAAATGCACCTCTATGAGCTTGTGGAAGACACAAAAGATGG
 CATCTGGCTGGTTCAGGTCATAGCAAATGACAGAAAGTCCCTTGGTGGGCAAAATTCCTGGGAGAAAATG
 GTTAAAAAGGTGTCAAGATTTGGAATACGTACAGGCACATTTAACTGTTCCAGTGATCCCAGATATTGCA
 GGAGAAGAGGCTGGTCCGATCCACACTCATTATGTCTGTTCCACAAACAAGTACTTCAAAGGGAAAGT
 CATGCTTAAAGAATACAGTGGACGCAAGATTGAAGTAGAGCACATTTTTAAATGGATAACTGCTCATGCA
 GCTTCTCGGATCAAACCATTTATAATGCTGAACACTTGAAAGAAGAATGGAATAAAAGTGATCAGTATT
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 TACTGGAAGAGTTGAGTTATTTTTGTTAATGTAGAAAATTTGGGACAACAAGAGTTATATGACAGATATT
 GGCATATAAATATGCCATCATACATACTTAGAACTCCTGAAGGAATTTACAGGTATGAAAACCCACACAG
 GCGAATTTATATCCCTTCAGGCCATGGATTCATTTTTGCGCTCATTACAACCCGAGGTAATGATCTGTT
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 AAGCGATTTGTGGTTCATAGAAGCACTTAGGGACATATAATTCTCTATTAATTTTCTGGCTACCTG
 GTTGGGCTTTTTACAGTACCTTACTTAGATAGCTTTTATGAATATAGCTTAAATTTGTTGAGATATTC
 CAATACAACCACTGGCTTCATGGTAAGGGCAGACTGGATGTTTTACTCTTACACCCAGCCCTGTTT
 CTCAGTACATACCTTGGTCATGGTTTACTAATTGATTACTTTGAGAAGAAGAGAAGGCGCAACAACAACA
 ATGATGAAGTCAATGCCAATAACTTAGAATGGTTATCAAGTCTGTGGGACTGGTACACCAGCTACCTCTT
 CCACCCGATTGCTTCTTTTCAGAACTTCTCTGTAGAATCTGATTGGGACGAAGACCCTGACTTATCTTG
 GAGCGCTTAGCTTCCCTGACCTTTGGCTTACCATCTGATACCAACTGATTATATTAATAAATTACCAA
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 CTTACAATTCTCCAGGAACAGCAAGTCACTGTGATGCTGAGGCTTGTTCATGTGCAATAAATATTGTC
 AGACCAGCCCATGTGAAAGGAAGGGGAGGTCATATGGATCATATAACACTAATGAAGATATGGAACCTGA
 TTGGTTAACTTGGCTGCTGATATGCTGCACTGTACTGAATGTGTTGTTTGCCTAGAGAATTTTGAAAAT
 GGATGTTTGCTAATGGGTTGCCTTGTGGTCATGTGTTTCATCAGAATTGCATTGTGATGTGGTTGGCTG
 GGGGCCGACATTTGTCCTGTTTGGCGTGGCCTTCTTATAAAAAAAGCAGCCATATGCACAACACCA
 GCCCTTGCAATGATGTCCCATCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

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:	<ol style="list-style-type: none">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:	NM_005667.4
RefSeq Size:	3516 bp
RefSeq ORF:	2058 bp
Locus ID:	7844
UniProt ID:	O00237
Cytogenetics:	2p11.2
Domains:	RING
Protein Families:	Druggable Genome, Transcription Factors, Transmembrane
MW:	79.5 kDa
Gene Summary:	The protein encoded by this gene contains a RING-H2 finger, a motif known to be involved in protein-protein and protein-DNA interactions. This gene is highly expressed in normal cerebellum, but not in the cerebral cortex. The expression of the rat counterpart in the frontal cortex and hippocampus was shown to be induced by electroconvulsive treatment (ECT) as well as chronic antidepressant treatment, suggesting that this gene may be a molecular target for ECT and antidepressants. The protein is a ubiquitin ligase that functions in the endoplasmic reticulum-associated degradation pathway. Alternative splicing of this gene results in multiple transcript variants. Read-through transcription also exists between this gene and the downstream CHMP3 (charged multivesicular body protein 3) gene. [provided by RefSeq, Oct 2011]

Product images:



Circular map for RC207203