

## Product datasheet for **RC209936**

### **XAF1 (NM\_017523) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	XAF1 (NM_017523) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	XAF1
Synonyms:	BIRC4BP; HSXIAPAF1; XIAPAF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC209936 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAAGGAGACTTCTCGGTGTGCAGGAAGTGTAAAAGACATGTAGTCTCTGCCAACTTCACCCCTCCATG  
AGGCTTACTGCCTGCGGTTCTGGTCTGTGCCGAGTGTGAGGAGCCTGTCCCAAGGAAACCATGGA  
GGAGCACTGCAAGCTTGAGCACCAGCAGGTTGGGTGTACGATGTGTCAGCAGAGCATGCAGAAGTCTCG  
CTGGAGTTTCATAAGGCCAATGAGTGCCAGGAGCGCCCTGTTGAGTGAAGTTCTGCAAAGTGGACATGC  
AGCTCAGCAAGCTGGAGCTCCACGAGTCTACTGTGCCAGCCGACAGAGCTCTGCCAAGGCTGTGGCCA  
GTTTCATCATGCACCGCATGCTCGCCAGCACAGAGATGTCTGTGCGAGTGAACAGGCCAGCTCGGGAAA  
GGGAAAAGAAATTCAGCTCCTGAAAGGGAAATCTACTGTCAATTATTGCAACCAAATGATTCAGAAAATA  
AGTATTTCCACCATATGGGTAATGTTGTCCAGACTCAGAGTTTAAAGAAACACTTTCCTGTTGGAAATCC  
AGAAATTTCTTCTCATCTTCCAAAGTCAAGTGTGAAATCAAAGTCCACGATGGAGAAAGATGTT  
CGTCCAAAGACAAGAAGTATAAACAGATTTCTTCTTATTCTGAAAGTTCATCAAAGAAAGCACCAAGAA  
GCAAAAACAAAACCTTGGATCCACTTTTGATGTGAGAGCCCAAGCCAGGACCAGCTCCCCTAGAGGAGA  
TAAAGCAGCCTATGACATTCTGAGGAGATGTTCTCAGTGTGCCATCCTGCTTCCCCTGCCGATCCTAAAT  
CAACATCAGGAGAAATGCCGGTGTTAGCTTCATCAAAGGAAAACAAGTGAGAAATTTAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC209936 protein sequence  
Red=Cloning site Green=Tags(s)

MEGDFSVCRNCKRHVVSANFTLHEAYCLRFLVLCPECEEPVPKETMEEHCKLEHQVVGCTMCQQSMQKSS  
 LEFHKANECQERPVECKFCKLDMQLSKLELHESYCGSRTEL CQCGQFIMHRMLAQHRDVCRSEQAQLGK  
 GERISAPEREIYCHYCNQIPENKYFHMGKCCPDSEFKKHFVGNPEILPSSLPSQAAENQTSTMEKDV  
 RPKTRSINRFPLHSESSKKAPRSKNKTLDPLLMSEPKPRTSSPRGDKAAVDILRRCSCQCGILLPLPILN  
 QHQEKRWLASSKQVRNFS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6005\\_d04.zip](https://cdn.origene.com/chromatograms/mk6005_d04.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_017523

**ORF Size:** 903 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:** [NM\\_017523.5](#)

**RefSeq Size:** 3638 bp

**RefSeq ORF:** 906 bp

**Locus ID:** 54739

**UniProt ID:** [Q6GPH4](#)

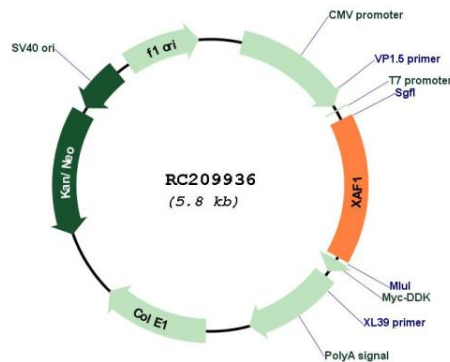
**Cytogenetics:** 17p13.1

**Domains:** zf-TRAF

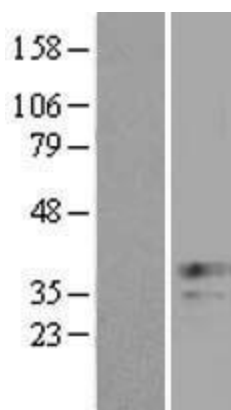
**MW:** 34.6 kDa

**Gene Summary:** This gene encodes a protein which binds to and counteracts the inhibitory effect of a member of the IAP (inhibitor of apoptosis) protein family. IAP proteins bind to and inhibit caspases which are activated during apoptosis. The proportion of IAPs and proteins which interfere with their activity, such as the encoded protein, affect the progress of the apoptosis signaling pathway. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2012]

### Product images:



Circular map for RC209936



Western blot validation of overexpression lysate (Cat# [LY402596]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209936 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).