

## Product datasheet for **SC307876**

### XAF1 (NM\_199139) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	XAF1 (NM_199139) Human Untagged Clone
Tag:	Tag Free
Symbol:	XAF1
Synonyms:	BIRC4BP; HSXIAPAF1; XIAPAF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307876 representing NM_199139. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAAGGAGACTTCTCGGTGTGCAGGAAGTGTAAAGACATGTAGTCTCTGCCAACTTCACCTCCAT
GAGGCTTACTGCCTGCGGTTCTGGTCTGTGTCCGGAGTGTGAGGAGCCTGTCCCAAGGAAACCATG
GAGGAGCACTGCAAGCTTGAGCACCAGCAGGCCAATGAGTGCCAGGAGCGCCCTGTTGAGTGTAAATTTC
TGCAAAGCTGGACATGCAGCTCAGCAAGCTGGAGCTCCACGAGTCTACTGTGGCAGCCGGACAGAGCTC
TGCCAAGGCTGTGGCCAGTTCATCATGCACCGCATGCTCGCCAGCACAGAGATGTCTGTCGAGTGAA
CAGGCCAGCTCGGGAAGGGGAAAGAATTTAGCTCCTGAAAGGAAATCTACTGTCTATTATTGCAAC
CAAATGATTCCAGAAAATAAGTATTTCCACCATATGGGTAATGTTGTCCAGACTCAGAGTTTAAGAAA
CACTTTCTGTTGAAATCCAGAAATCTTCTCTCATCTCTTCCAAGTCAAGCTGCTGAAATCAAAT
TCCACGATGGAGAAAGATGTTCTGTTCCAAAGACAAGATATAAACAGATTTCTCTTCTATTCTGAAAGT
TCATCAAAGAAAGCACCAAGAAGCAAAACAAACCTTGGATCCACTTTTGATGTGAGAGCCCAAGCCC
AGGACCAGCTCCCTAGAGGAGATAAAGCAGCCTATGACATTCTGAGGAGATGTTCTCAGTGTGGCATC
CTGCTTCCCCTGCCGATCCTAAATCAACATCAGGAGAAATGCCGGTGGTTAGCTTCATCAAAGGAAAA
CAAGTGAGAAATTCAGCTAG
ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCGCGC
  
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Restriction Sites:	SgfI-MluI
ACCN:	NM_199139
Insert Size:	849 bp


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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_199139.2</a></u>
<b>RefSeq Size:</b>	3581 bp
<b>RefSeq ORF:</b>	849 bp
<b>Locus ID:</b>	54739
<b>UniProt ID:</b>	<u><a href="#">Q6GPH4</a></u>
<b>Cytogenetics:</b>	17p13.1
<b>MW:</b>	32.5 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting protein (isoform 2) is shorter compared to isoform 1.</p>