

Product datasheet for **SC108919**

Iba1 (AIF1) (NM_004847) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Iba1 (AIF1) (NM_004847) Human Untagged Clone
Tag:	Tag Free
Symbol:	AIF1
Synonyms:	AIF-1; IBA1; IRT-1; IRT1
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_004847, the custom clone sequence may differ by one or more nucleotides

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ATGGAGTTTGACCTTAATGGAAATGGCGATATTGGTGAGAAACGGGTGATTTGCGGGGGCAGGGTGGTGT  
GCAGGCCAAGAAGACAGAGGTCTCTCTACATGCTCCATTCTCATGATTTGGGAGGGGGCCACCTAC  
CACAGTGGGAGGAAGGAGAATGGGGATGCGGAAGTGGGAGAGGAGAGAGAGGGTCTCCCCACCTTCTCCC  
CATCCCCATCTCTGCCCCAGATATCATGTCCCTGAAACGAATGCTGGAGAACTGGAGTCCCCAAGA  
CTCACCTAGAGCTAAAGAAATTAATTGGAGAGGTGCCAGTGGCTCCGGGAGACGTTTCAGCTACCCTGA  
CTTCTCAGGATGATGCTGGGCAAGAGATCTGCCATCCTAAAAATGTGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_004847 unedited TTTAAATTTGTATACGACNACTATAGGGCGGCCGCGATTCCGGACCCAGNAGGCCTCCAGCT TGGTCTGTCTCCCCACCTCTACCAGCATCTGCTGAGCTATGAGCCAAACCAGGGATTTAC AGGGAGGAAAAGCTTTCCGACTGCTGAAGGCCAGCAGGAAGAGAGGCTGGATGAGATCA ACAAGCAATTCCTAGACGATCCCAAATATAGCAGTGATGAGGATCTGCCCTCCAACTGG AAGGCTTCAAAGAGAAAATACATGGAGTTTGACCTAATGGAAATGGCGATATTGATATCA TGTCCCTGAAACGAATGCTGGAGAAAACCTGGAGTCCCCAAGACTCACCTAGAGCTAAAGA AATTAATTGGAGAGGTGTCCAGTGGCTCCGGGGAGACGTTTCAGCTACCCTGACTTTCTCA GGATGATGCTGGGCAAGAGATCTGCCATCCTAAAAATGATCCTGATGATGAGGAAAAAG CGAGAGAAAAGGAAAAGCCAACAGGCCCCCCAGCCAAGAAAGCTATCTCTGAGTTGCCCT GATTTGAAGGGAAAAGGGATGATGGGATTGAAGGGGCTTCTAATGACCCAGATATGGAAA CAGAAGACAAAATTGTAAGCCAGAGTCAACAAATTAATAAATTACCCCTCCTCCAGAT CAAAAAAACTCTAGATTGCNGCCGCGGTATAGCTGTTTTCTGAACAGATCCCCGGGTG GCATCCCTGTGACCCCTCCCAGTGCCTTCTGCCCTGGAAGTTGCCACTCCAGTGCCC ACCACCTGTCTATAAAATTAAGTGCATATTTTGTGACTAGTGCCTTTATAATAA TGGGGGAGGGGGGGGGGGTTTTNNTTTTGCTTNNNATNATTTNTTTTNTGTATTTTTTT TTNTTGTGAGTNTTTTTTATCTTGTATTCTTTCGTCTTTCTCCCTTTCTGACG</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_004847 unedited CGGCCGAATCTAGAATTTTTTTTGTCTGGAGGAGGGTAATTTATTTAATTTGTTGAC TCTGGCTTACAATTTTGTCTTCTGTTTCCATATCTGGGTCATTAGAAGCCCTTCAATCC CATCATCCCTTTCCCTCAAATCAGGGCAACTCAGAGATAGCTTTCTTGCTGGGGGGC CTGTTGGCTTTTCTTTTCTCTCGCTTTTCTCATACATCAGGATCATTTTTAGGATGG CAGATCTCTTGCCAGCATCATCCTGAGAAAGTCAAGGTAGCTGAACGTCTCCCCGGAGC CACTGGACACCTCTCAAATTAATTTCTTTAGCTCTAGGTGAGTCTTNGGACTCCAAGTT TCTCCAGCATTCGTTTCAAGGACATGATATCAATATCGCCATTTCCATTAAGGTCAAAC CCATGATTTTCTTTGAAGCCTTCCAGTTTGGAGGGCAGATCCTCATCACTGCTATATT TGGGATCGTCTAGGAATTGCTTGTGATCTCATCCAGCCTCTCTCTGCTGGGCCTTCA GCAGTCCGAAAGCTNNTCCTNCCCTGTAATCCCCTGTTTGGCTCATACCTCANCAGATGC TGGTAGAGGTGGNGAGACAGACCAAGCTGGAGCCTNNTGTGCCCGATCGCNGCCGCC TATAGTAGTTCGTATTACANAATTCTGACGGNTCACTAAACGAGCTCTGCTTATATAGAC CTCCCACCGTACACGCCTACCGNCCATTTGCGTCAACGGGGGCGGGGATTACGACATTT TGGAAAGTCCGTTGATTTTGGTCCAACAACTCCATTGACGTCAAGGGGTGAAACTTG GAAATCCCGTGAGTCAACCCGCTTCCAGCCATTGGTGTACTGNCAAAACCGCATACCAT GTAATACGAGACTATCCCTAAATGACTGCAGTAGGAAGTCCGTAAGTCATGTCTGGCATA TGGCAGCGCCATTACGGTATGACGTAATAGGGCGACTTGCTAGATCATTGAGACTGCAA TG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_004847
Insert Size:	560 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: [NM_004847.2](#), [NP_004838.1](#)

RefSeq Size: 1491 bp

RefSeq ORF: 1491 bp

Locus ID: 199

Cytogenetics: 6p21.33

Protein Families: Druggable Genome

Gene Summary: This gene encodes a protein that binds actin and calcium. This gene is induced by cytokines and interferon and may promote macrophage activation and growth of vascular smooth muscle cells and T-lymphocytes. Polymorphisms in this gene may be associated with systemic sclerosis. Alternative splicing results in multiple transcript variants, but the full-length and coding nature of some of these variants is not certain. [provided by RefSeq, Jan 2016]
Transcript Variant: This variant (2) differs in the 5' UTR and retains introns as compared to variant 3. The resulting isoform (2) is shorter at the N- and C-termini and differs internally compared to isoform 3.