

## Product datasheet for **SC122602**

### Iba1 (AIF1) (NM\_001623) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Iba1 (AIF1) (NM_001623) Human Untagged Clone
Tag:	Tag Free
Symbol:	Iba1
Synonyms:	AIF-1; IBA1; IRT-1; IRT1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_001623 edited GGGGAGGCTTCTGAGAAGACTGGTGGGAGAGAAGGAGAGCCTGCAGACAGAGGCCTCCAG CTTGGTCTGTCTCCCCACCTCTACCAGTATCTGCTGAGCTATGAGCCAAACCAGGGATTT ACAGGGAGGAAAAGCTTTCGGACTGCTGAAGGCCAGCAGGAAGAGAGGCTGGATGAGAT CAACAAGCAATTCCTAGACGATCCCAAATATAGCAGTGATGAGGATCTGCCCTCCAACT GGAAGGCTCAAAGAGAAATACATGGAGTTTGACCTTAATGGAAATGGCGATATTGATAT CATGTCCCTGAAACGAATGCTGGAGAACTTGGAGTCCCCAAGACTCACCTAGAGCTAAA GAAATTAATTGGAGAGGTGTCCAGTGGCTCCGGGGAGACGTTTCAGCTACCCTGACTTTCT CAGGATGATGCTGGCAAGAGATCTGCCATCCTAAAAATGATCCTGATGTATGAGGAAAA AGCGAGAGAAAAGAAAAGCCAACAGGCCCCCCAGCCAAGAAAAGCTATCTCTGAGTTGCC CTGATTTGAAGGGAAAAGGGATGATGGGATTGAAGGGGCTTCTAATGACCCAGATATGGA AACAGAAGACAAAATTGT AAGCCAGAGTCAACAAATTAATAAATTACCCCTCCTCCAA AAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_001623 unedited AAAGTTACATTTGTATACNATTATATAGGCGGCCGNAATTCGCCATTACGGCCGGGG AGGCTTCTGAGAAGATGGTGGGAGAGAAGGAGAGCCTGCAGACAGAGGCCTCCAGCTTGG TCTGTCTCCCCACCTCTACCAAGTATCTGCTGAGCTATGAGCCAAACCAGGGATTTACAGG GAGGAAAAGCTTTCGGACTGCTGAAGGCCAGCAGGAAGAGAGGCTGGATGAGATCAACA AGCAATTCCTAGACGATCCCAAATATAGCAGTGATGAGGATCTGCCCTCCAAACTGGAAG GCTTCAAAGAGAAAATACATGGAGTTTGACCTTAATGGAAATGGCGATATTGATATCATGT CCCTGAAACGAATGCTGGAGAAAACCTGGAGTCCCAAGACTCACCTAGAGCTAAAGAAAT TAATTGGAGAGGTGTCCAGTGGCTCCGGGGAGAGCGTTCAGCTACCCTGACTTTCTCAGGA TGATGCTGGGCAAGAGATCTGCCATCCTAAAAATGATCCTGATGTATGAGGAAAAAGCGA GAGAAAAGGAAAAGCCAACAGGCCCCCCAGCCAAGATAGCTATCTCTGAGTTGCCCTGAT TTGAAGGGAAAAGGGATGATGGGATTGAAGGGGCTTCTAATGACCCAGATATGGAACAG AAGACATAATTGTAAGCCAGAGTCAACAAATTAATAAATTACCCCTCCTCCAAAANAN AN GCGGTCTAGCTGTTTCTGAAACAGATCCCGGNTGGCATCCNTGTGACCCCTCCAGTGC CTCTCCTGGCCCTGGAAGTGCCACNTCAGTGCCACCAGCCTGTCCTATAAAATAA
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_001623
<b>Insert Size:</b>	687 bp
<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>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>	<a href="#">NM_001623.3</a> , <a href="#">NP_001614.3</a>
<b>RefSeq Size:</b>	639 bp
<b>RefSeq ORF:</b>	444 bp
<b>Locus ID:</b>	199
<b>UniProt ID:</b>	<a href="#">P55008</a>
<b>Cytogenetics:</b>	6p21.33
<b>Protein Families:</b>	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 (3) encodes the longest isoform (3).