

Product datasheet for SC115170

ASC 2 (NCOA6) (NM_014071) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | ASC 2 (NCOA6) (NM_014071) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | ASC 2 |
| Synonyms: | AIB3; ASC2; NRC; PRIP; RAP250; TRBP |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >OriGene ORF within SC115170 sequence for NM_014071 edited (data generated by NextGen Sequencing) |

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ATGGTTTTGGATGACCTTCCAACTTAGAAGACATCTATACTTCCTTGTGTTTCATCAACA
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CCTGCTTCAGCCTCCAGCTCTACTAAAGACATAACCAGTGCAGTGCAGTCAATCCAAGCAAGA
AAATCCAAGTAA
    
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Clone variation with respect to NM_014071.3

621 t=>c;2247 a=>g

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_014071 unedited
CTCCTATAGGCGGCCGCGACTTCGGCACGAGGGACGGACGGACGCACCGAGGGCGGGCGGG
CACGCACGGCCCGGGCCGGCGCTCCAAGGCCCGCCGGGAGGGCCGGGGCCGGCGCTCAGA
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CTTATTGCTCTTGGCATATGCTTCTGGAATAATATTACCATGGTTTTGGATGACCTT
CCAAACTTAGAAGACATCTATACTTNCCTTGTTTCATCAACAATGGAAGACTCAGAGAT
GGATTTTGACTCTGGACTAGAAGATGATGACACAAAAGTATAGTATTTTTGGGAGGAT
TCCACAATNNTTTTGTGGCCTTCAAAGGAAATNATAGATGATNAAAGACTTCAAATGGAA
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AGACCAAGAAAGGTGGAGCCCTGAACAGCGTGGCGTGTGACATTAACATCCCCGGGAGC
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GTATTTTCATGAGGGCCAGCCATTCAAAGTGAGCCAGACCCTGCTGTTTTAAAAAAGA
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GAGCGGGTTTGGACAAAAGACCCTTATTTCCCGGGGAGAGAAAAAACAAAAGAGA
    
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| 3' Read Nucleotide Sequence: | >OriGene 3' read for NM_014071 unedited AATTGTGCACGCGGCCGCAATTTATGATCGAGTTTTTTTTTTTTTTTTTCTATGACAAT GACATTTATTTAACACGTTATTTTACATTGTACAAATCCTTAGATTCTCTTTATTCACAG GTCCATTTCTACAACAAATACATCCAAAACACTATATAATAAAATTTTACAACATTTT CAAATGAGAAGATTGCTTTTGCCTTACTGCTATTTATACACAGTACTTCCACGGCA CAATACATTAGGAGATCTAAAAATGCTCACCTGTACTTAGGCTGCTTAGGAAATGTGA AAACTAGTAACATTTATAATGGCATTAGCTCTTTCAATAACAAGACAACATTTTAGAAAC CTTGAACCTCAACTCGCAACACCAAAAAGGGCTCAACAGTCTGCTTTCCCATTTGCACTT TATGAAACAGGTTGCAGGGACTAGGAAAAGGGCCACATTATTAATAACTAAGTGCACA GACATTGATTTAAAAAGTCACAGCTCAAAATTGCTCTTTGCAAAAGTCACACACATTTT CCAGTATCAAGGCCGAGTCTGCTCGTTACTTGAATTTTCTCCGCTTGGATTGCACCGC ACTGGTTATGTTCTTATAAACCTGGAGGCTGAAGCAAGTCAACAAGAAGTTTAAACATG TTCATTTTACCCTTTTAGAGGCCAGTGGGCTTCTCAGTTTGGGAGTTTCTTGGCG CGGGAGATTTGGAACCTTTAACTATTCTTTGGCCTCATGGTTTGGCCAAGACATA TGGGAGGCTTTACCTTCCATTCTTGGGCTTGGCAAAAAAAGCCTGCAATGCCCCGTGGT TAACACTCTCTTTTAACTAATATCTTCGCAACGGGGCTTTCCCTGCGTAAAAAGT CTTTGTAAGGGCAATCCACACTTTTTCTTATTCAAGGCGCACCCAGAGGGCTCCA AGCTTCTN |
| Restriction Sites: | NotI-NotI |
| ACCN: | NM_014071 |
| Insert Size: | 7000 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: | <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_014071.2 , NP_054790.2 |
| RefSeq Size: | 7062 bp |
| RefSeq ORF: | 6192 bp |
| Locus ID: | 23054 |
| UniProt ID: | Q14686 |
| Cytogenetics: | 20q11.22 |
| Protein Families: | Druggable Genome, Transcription Factors |

Gene Summary:

The protein encoded by this gene is a transcriptional coactivator that can interact with nuclear hormone receptors to enhance their transcriptional activator functions. This protein has been shown to be involved in the hormone-dependent coactivation of several receptors, including prostanoid, retinoid, vitamin D3, thyroid hormone, and steroid receptors.

Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jun 2011]

Transcript Variant: This variant (1) differs in the 5' UTR compared to variant 3. Variants 1 and 3 encode the same isoform (1, also known as NCOA6-alpha).