

Product datasheet for **RG235153**

ASC 2 (NCOA6) (NM_001242539) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ASC 2 (NCOA6) (NM_001242539) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NCOA6
Synonyms:	AIB3; ASC2; NRC; PRIP; RAP250; TRBP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG235153 representing NM_001242539 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTTTTGGATGACCTTCCAACTTAGAAGACATCTATACTTCCTTGTGTTTCATCAACAATGGAAGACT
CAGAGATGGATTTGACTCTGGACTAGAAGATGATGACACAAAAAGTGATAGTATTTGGAGATTCCAC
AATTTTGTGGCCTTCAAAGGAAATATAGATGATAAAGACTTCAAATGGAATAGATGCAATATTGAAA
AACGTGCCAATTTGTTACACATGGAGTCCAGCAAGCTAAAAGTACAGAAGGTGGAGCCCTGGAACAGCG
TGCGTGTGACATTCAACATCCCCGGGAAGCAGCGGAGCGGCTACGGATCCTTGCTCAGAGCAACAACCA
GCAGCTTCGGGATTTAGGGATTCTCTCCGTTCCAGATTGAAGGGGAAGGTGCTATTAACCTGGCTTTGGCT
CAGAACCGAAGCCAAGATGTGAGAATGAATGGACCCATGGGAGCTGGAATTCAGTTAGGATGGAGGCGG
GATTTCTATGGCAAGTGGTCCAGGAATAAAGGATGAACAACCCCTGCCACTGTTATGATACCCCCGGG
TGGAAATGTGTCATCTTCCATGATGGCACCAGGCCCAATCCAGAGCTGCAGCCAGGACTCCTCGCCCT
GCTTCTCAGTCAGATGCAATGGATCCACTCCTCTCTGGGCTCCATATACAGCAGCAAAGTCATCCCTCAG
GATCTTTAGCTCCCCACATCACCAATGCAGCCTGTCTCTGTGAACAGACAAAATGAACCCAGCTAATTT
TCCCCAGCTGCAGCAGCAGCAACAACAACAACAGCAGCAGCAGCAGCAGCAACAACAGCAA
CAGCAGCAACAACAGTTGCAGGCAAGACCCCCACAGCAACATCAGCAGCAACAGCCACAGGGAATTCGAC
CCAGTTTACTGCCCAACTCAGGTGCCTGTTCCCTCCAGCTGGAACAGCTGCCTTCTGGAGCCCTTCA
ACCTCCTCCAGCCAGGGTCTCTGGGCACAATGACTGCAAACCAAGGGTGAAGAAGGCTCCCTTGCCC
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CTCCATATCCCTTTGGCAGCCAGCAAGCCTCACAAGCCACACAACTTTCTCAGATGAGCAACCCAGG
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GTGATGCAGCAGCAACCACCAACCAGGGGCCACAGAGTTTACATCCAGGCCTAGGAGGAATGCCTAAAC
 GCCTCCCACCTGGCTTCTCAGCAGGACAGGCCAATCCGAACCTTTATGCAAGGTCAGGTGCCTTCGACCAC
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 TGAAGAGCCAACTGTGGCCTCTGAAAGTGTGAAAATGGACATCGTAAACGATCTTCTCGACCTGCTTCA
 GCCTCCAGCTCTACTAAGACATAACCAGTGCAGTCAATCCAAGCGAAGAAAATCCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG235153 representing NM_001242539
 Red=Cloning site Green=Tags(s)

MVLDDLPLEDIYTSLCSSTMEDSEMDFDSGLEDDDTKSDSILEDSTIFVAFKGNIDDKDFKWLDAILK
 NVPNLLHMESSLKVQKVEPWNSVRVTFNIPREAAERLRILAQSNNQQLRDLGILSVQIEGEGAINLALA
 QNRSQDVRMNGPMGAGNSVRMEAGFPMASGPGIIRMNPNATVMIPPGNVSSMMAPGPNPELQPRTPRP
 ASQSDAMDPLL SGLHIQQQSHPSGSLAPPHHPMQPVSVNRQMNPNANFPQLQQQQQQQQQQQQQQQQ
 QQQQLQARPPQQHQQQPQGIROPFTAPTQVPVPPGWNQLPSGALQPPPAQGS LGTMTANQGKKAPLP
 GPMQQQLQARPSLATVQTPSHPPPPYPFGSQQASQAHTNFPQMSNPGQFTAPQMKSLQGGP SRVPTPLQQ
 PHLTNKSPASSPSSFQQGSPASSPTVNQTQQQMGRPPQNNPLPQGFQQPVSSPGRNPMVQQGNVPPNFM
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 QGAGPPQNMQVSHGPPNMMQPSLMGIHGMNMQAGTSGVPQVNL SNMQGQPQQGPPS QLMGMHQQIVP
 SQGQM VQQGTLNPQNPMILSRAQLMPQGMMVNPPSQNLGPSPQRMTPPKQMLSQQGPQMMA PHNQMMG
 PQQVLLQQNPMIEQIMTNMQGNKQQFNTQNSNVMPGPAQIMRGPTPNMQGNMVQFTGQMSGQMLPQQ
 GPVNNSPSQVMGIQGVLRPPGPSPHMAQQHGDPAATTANNDVSLSQMMPDVSIQQTNMVPVPHVQAMQNS
 ASGNHFSHGMSFNAPFSGAPNGNQMSCGNPFGFPVNKDVTLSPLL VNLQSDISAGHFGVNNKQNNNTN
 ANKPKKKKPPRKKKNSQQDLNTPDTRPAGLEEADQPPLPGEQGINLDNSGPKLPEFSNRPPAPSQNLVSK
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 ASSSTKDITSAVQSKRRKSK

TRTRPLE - GFP Tag - V

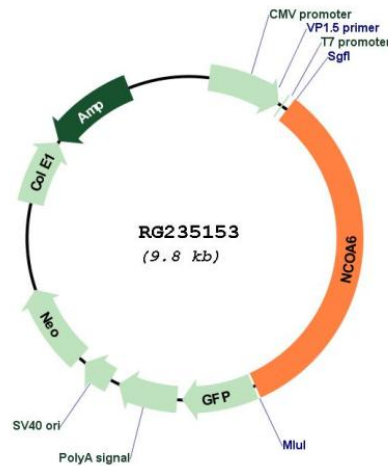
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001242539

ORF Size: 3210 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:	<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_001242539.2
RefSeq Size:	4092 bp
RefSeq ORF:	3213 bp
Locus ID:	23054
UniProt ID:	Q14686
Cytogenetics:	20q11.22
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>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]</p>