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Product datasheet for SC115506

NCOA62 (SNW1) (NM_012245) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NCOA62 (SNW1) (NM_012245) Human Untagged Clone
Tag:	Tag Free
Symbol:	NCOA62
Synonyms:	Bx42; FUN20; NCOA-62; Prp45; PRPF45; SKIIP; SKIP; SKIP1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_012245 edited
GCGTGTACGGTGGGAGGTCTATATAAGCAGAGCTCGTTTAGTGAACCGTCAGAATTTTGT
AATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGGCTCGCGCTGGAAGAAGCG
GAAGAAGATGGCGCTCACCAGCTTTTTACCTGCACCTACTCAGCTATCTCAGGACCAGCT
TGAGGCTGAAGAAAAGGCAAGATCCCAGAGATCACGGCAGACCTCACTGGTCTCCTCCCG
AAGAGAACCTCCCCCGTACGGATACCGGAAAGGCTGGATACCTCGGTTATTAGAGGATTT
TGGAGATGGAGGTGCTTTTCCAGAGATCCATGTGGCCCAGTATCCACTGGATATGGGACG
AAAGAAAAAAATGTCGAATGCGCTGGCCATTCAGGTGGATTCTGAAGGAAAAATTAAATA
TGATGCAATTGCTCGACAAGGACAGTCAAAAGACAAGGTCATTTATAGCAAATACACTGA
CCTGGTTCCAAAGGAGGTTATGAATGCAGATGATCCAGACCTGCAAAGGCCCGATGAAGA
AGCTATTAAAGAGATAACAGAAAAGACAAGAGTAGCCTTAGAAAAATCTGTATCACAGAA
GGTCGCCGCAGCCATGCCAGTTCGAGCAGCTGACAAATTGGCTCCTGCTCAGTATATCCG
ATACACACCATCTCAGCAAGGAGTGGCATTCAACTCTGGAGCTAAACAGAGGGTTATTCG
GATGGTAGAAATGCAGAAAGATCCAATGGAGCCTCCAAGGTTCAAGATTAATAAGAAAAT
TCCCCGGGGACCACCTTCTCCTCCTGCGCCTGTCATGCATTCTCCTAGCCGAAAGATGAC
TGTAAAGGAACAACAAGAGTGGAAGATTCCTCCTTGTATTTCTAACTGGAAAAATGCAAA
GGGTTATACAATTCCATTAGACAAACGTCTGGCTGCTGATGGAAGAGGACTACAGACAGT
ACACATAAATGAAAATTTCGCCAAATTGGCAGAAGCCCTCTACATTGCTGATCGGAAGGC
TCGTGAAGCTGTGGAAATGCGTGCCCAAGTAGAGAGAAAAATGGCTCAGAAAGAAAAGGA
AAAACATGAAGAGAAACTTAGAGAAATGGCCCAGAAAGCCAGGGAAAGAAGAGCTGGGAT
CAAAACTCATGTGGAAAAAGAGGATGGGGAGGCACGTGAGAGGGATGAAATCCGGCATGA
CAGGCGAAAAGAGAGACAGCATGACCGGAATCTTTCCAGGGCAGCTCCTGATAAGAGGTC
GAAACTTCAGAGAAATGAAAATCGGGATATCAGTGAAGTTATTGCTCTCGGTGTTCCTAA
TCCTCGGACTTCCAATGAAGTTCAGTATGACCAAAGGCTCTTCAACCAATCCAAGGGTAT
GGACAGTGGATTTGCAGGTGGAGAAGATGAAATTTATAATGTTTATGATCAAGCCTGGAG
AGGTGGTAAAGATATGGCCCAGAGTATTTATAGGCCCAGTAAAAATCTGGACAAGGACAT
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TTCTGGTTCAGACCGTAGACAGAGAGGCCGAGAAGGACCAGTTCAGTTTGAGGAAGATCC
TTTTGGTTTGGACAAGTTTTTGGAAGAAGCCAAACAGCATGGTGGCTCTAAAAGACCCTC
AGATAGCAGCCGCCCCAAGGAACACGAGCATGAAGGCAAGAAGAGGAGGAAGGAATAGGC
ACAGGTCTCTCCAAAGTGAATGAACTCTTACCCATAACCCTAATGATGCAAGTCATATGG
GGGAACACTTTGTAAATGGTCAGGATAAAAACCAAATCTGGGTGCCAGATCCCAGCACTA
CTTTTTATTACTGGAGAAATGGGGGGGATAGAAAATTCTACTTTGAATTATTTAGTTTTT
TTTAAAGAGTGGGTTGTGTTTGTGCTTCTCCCACCTTTCAGCATTTATAGAACATGCTGC
CCCACATACAAAGTCAAGACCACTTACTTTTATGTGACACTAGTAGTTTGGGGTTAATGT
TTTGTGTAAGAACAGCTGCATATGAGTAAAGTTACCCCAACCACAGTGAGGAGGAAGATG
TTCACATACTGGAACTGTCCTGCCAAATAAATTTTGCCCCTATTGTGCTCTGTTTTAATT
TGGAGTGGGCAAAGTAACCTCTTGCTTGGTGCAACTATTTGTTTCAAATAAAAACATTTA
GACAAAAAAAAAAAAAAAAAAACTCGACTCTAGATTGCGGCCGCGGTCATAGCTGTTTCCT
GAACAGATCCCGGGTGGCATCCCTGTGACCCCTCCCCAGTGCCT

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_012245 unedited
GTAATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGGCTCGCGCTGGAAGAAG
CGGAAGAAGATGGCGCTCACCAGCTTTTTACCTGCACCTACTCAGCTATCTCAGGACCAG
CTTGAGGCTGAAGAAAAGGCAAGATCCCAGAGATCACGGCAGACCTCACTGGTCTCCTCC
CGAAGAGAACCTCCCCCGTACGGATACCGGAAAGGCTGGATACCTCGGTTATTAGAGGAT
TTTGGAGATGGAGGTGCTTTTCCAGAGATCCATGTGGCCCAGTATCCACTGGATATGGGA
CGAAAGAAAAAAATGTCGAATGCGCTGGCCATTCAGGTGGATTCTGAAGGAAAAATTAAA
TATGATGCAATTGCTCGACAAGGACAGTCAAAAGACAAGGTCATTTATAGCAAATACACT
GACCTGGTTCCAAAGGAGGTTATGAATGCAGATGATCCAGACCTGCAAAGGCCCGATGAA
GAAGCTATTAAAGAGATAACAGAAAAGACAAGAGTAGCCTTAGAAAAATCTGTATCACAG
AAGGTCGCCGCAGCCATGCCAGTTCGAGCAGCTGACAAATTGGCTCCTGCTCAGTATATC
CGATACACACCATCTCAGCAAGGAGTGGCATTCAACTCTGGAGCTAAACAGAGGGTTATT
CGGATGGTAGAAATGCAGAAAGATCCAATGGAGCCTCCAAGGTTCAAGATTAATAAGAAA
ATTCCCCGGNGACCACCTTCTCCTCCTGCGCCTGTCATGCATTCTCCTAGCCGAAAATGA
CTGGTAAGGAACCAACAGAGTGGAAGAATCCTCCTTGTATTTCTACTGGAAAATGCAAAG
GTTATACANTNCATTAGACAACGTCTGCTGCTGATGGNAGAGACTACGACGTCACATAAT
GAAAATTCCCAANTGCAGAGCCTCTACTTGTGATCGAAGCTGTGAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_012245 unedited
NNNNCCTTACTTGNNACCGCGGCCGCTTTCTAGNATCGAGTTTTTTTTTTTTTTTTTTGT
CTAAAGTTTTTATTTGAAACAAATAGTTGCACCAAGCAAGAGGTTACTTTGCCCACTCCA
AATTAAAACAGAGCACAATAGGGGCAAAATTTATTTGGCAGGACAGTTCCAGTATGTGAA
CATCTTCCTCCTCACTGTGGTTGGGGTAACTTTACTCATATGCAGCTGTTCTTACACAAA
ACATTAACCCCAAACTACTAGTGTCACATAAAAGTAAGTGGTCTTGACTTTGTATGTGGG
GCAGCATGTTCTATAAATGCTGAAAGGTGGGAGAAGCACAAACACAACCCACTCTTTAAA
AAAAACTAAATAATTCAAAGTAGAATTTTCTATCCCCCCCATTTCTCCAGTAATAAAAAG
TAGTGCTGGGATCTGGCACCCAGATTTGGTTTTTATCCTGACCATTTACAAAGTGTTCCC
CCATATGACTTGCATCATTAGGGTTATGGGTAAGAGTTCATTCACTTTGGAGAGACCTGT
GCCTATTCCTTCCTCCTCTTCTTGCCTTCATGCTCGTGTTCCTTGGGGCGGCTGCTATCT
GAGGGTCTTTTAGAGCCACCATGCTGTTTGGCTTCTTCCAAAAACTTGTCCAAACCAAAA
GGATCTTCCTCAAACTGAACTGGTCCTTCTCGGCCTCTCTGTCTACGGTCTGAACCAGAA
AACTCCTTGTCGGNAACANATCTNGTGGTCTTTATTCTGGCTTCTANGTCATCACCCTAC
ATGTTCCTTGNCCAGATTTTTACTGGGCCTATAAATACTCTGGGCCATATCTTTACCACC
TCCTCCAGCTTGATCATAAACATTATAAATTCATCTTCTCCACTGCAAANCACTGTCCAT
ACCTNGGATGGNTGAANAGCTTTGNC

Restriction Sites: NotI-NotI

ACCN: NM_012245

Insert Size: 2190 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_012245.2, NP_036377.1
RefSeq Size:	2146 bp
RefSeq ORF:	1611 bp
Locus ID:	22938
UniProt ID:	Q13573
Cytogenetics:	14q24.3
Domains:	SKIP_SNW
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Notch signaling pathway, Spliceosome
Gene Summary:	This gene, a member of the SNW gene family, encodes a coactivator that enhances transcription from some Pol II promoters. This coactivator can bind to the ligand-binding domain of the vitamin D receptor and to retinoid receptors to enhance vitamin D-, retinoic acid-, estrogen-, and glucocorticoid-mediated gene expression. It can also function as a splicing factor by interacting with poly(A)-binding protein 2 to directly control the expression of muscle-specific genes at the transcriptional level. Finally, the protein may be involved in oncogenesis since it interacts with a region of SKI oncoproteins that is required for transforming activity. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016] Transcript Variant: This variant (2) differs in the 3' UTR and has multiple coding region differences, compared to variant 1, one of which results in a frameshift. The resulting protein (isoform 2) has a distinct C-terminus and is shorter than isoform 1.