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Product datasheet for RC224812

NCOA1 (NM_003743) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NCOA1 (NM_003743) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NCOA1
Synonyms:	bHLHe42; bHLHe74; F-SRC-1; KAT13A; RIP160; SRC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC224812 representing NM_003743
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTGGCCTCGGGGACAGTTCATCCGACCCTGCTAACCCAGACTCACATAAGAGGAAAGGATCGCCAT
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TGAGTTACTGTCTGCCAACATTAGTGACATTGACAGCTTGAGTGTAAAACCAGACAAATGCAAGATTTTG
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AGACAGGTTACTTCTGGATTGGCAACAAGGCCCAGGATGCCAAACAATTCCTTTCCTCCTAATATTTCGA
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Protein Sequence:

>RC224812 representing NM_003743
Red=Cloning site Green=Tags(s)

MSGLGDSSSDPANPDSHKRKGSPCDTLASSTEKRRREQENKYLEELAELLSANISDIDSLSVKPDKCKIL
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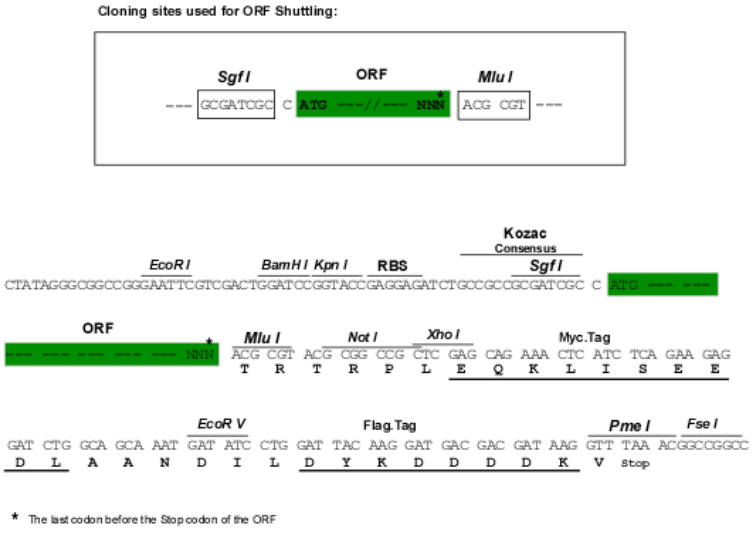
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6168_b08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003743

ORF Size: 4323 bp

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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:	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_003743.5
RefSeq Size:	6895 bp
RefSeq ORF:	4326 bp
Locus ID:	8648
UniProt ID:	Q15788
Cytogenetics:	2p23.3
Domains:	PAS, HLH
Protein Families:	Druggable Genome, Transcription Factors
MW:	156.6 kDa
Gene Summary:	The protein encoded by this gene acts as a transcriptional coactivator for steroid and nuclear hormone receptors. It is a member of the p160/steroid receptor coactivator (SRC) family and like other family members has histone acetyltransferase activity and contains a nuclear localization signal, as well as bHLH and PAS domains. The product of this gene binds nuclear receptors directly and stimulates the transcriptional activities in a hormone-dependent fashion. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

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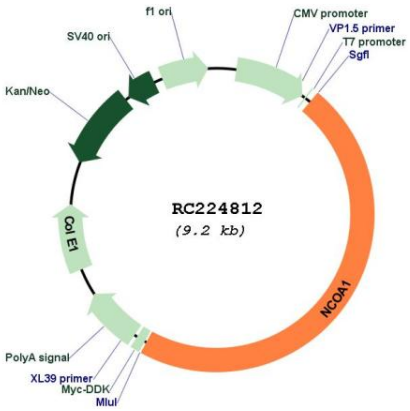
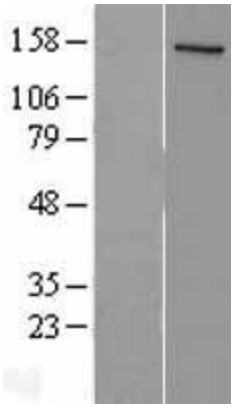
Product images:



Circular map for RC224812



Western blot validation of overexpression lysate (Cat# [LY401228]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224812 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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