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Product datasheet for RC213539

NCOA5 (NM_020967) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NCOA5 (NM_020967) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NCOA5
Synonyms:	bA465L10.6; CIA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RC213539 representing NM_020967
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAATACGGCTCCATCAAGACCCAGCCCCACACGAAGGGATCCATATGGCTTTGGAGACAGTCGAGATT
CAAGGCGTGATCGATCCCCAATTCGAGGAAGTCCAAGGAGAGAGCCCAGGGATGGCAGAAATGGCCGGGA
TGCCCGGGACAGCAGAGACATTCGAGACCCCCGAGACTTGCGGGACCACAGACATAGTAGAGATTTGCGG
GATCACAGAGACAGCAGGAGTGTGCGCGACGTTCGGGACGTGAGGGATCTTAGAGACTTTCGTGATCTAA
GAGACTCTAGGGATTTTCGAGATCAGCGAGACCCCATGTACGACAGATACAGAGACATGAGAGACTCCCG
AGATCCTATGTACAGGAGAGAAGGCTCTTATGACCGATACCTACGAATGGATGACTATTGCAGGAGAAAG
GATGACTCTTATTTTGACCGTTACAGAGATAGCTTTGATGGACGGGGCCCTCCAGGCCCAGAAAGTCAGT
CTCGTGCAAAAGAGCGTTTGAAACGTGAGGAACGGCGTAGAGAAGAGCTTTATCGTCAATATTTTGAGGA
AATCCAGAGACGCTTTGATGCCGAAAGGCCCGTTGATTGTTCTGTGATTGTGGTCAACAAACAGACAAAA
GACTATGCTGAGTCTGTGGGGCGGAAGGTGCGAGACCTGGGCATGGTAGTGGACTTGATCTTCCTTAACA
CAGAAGTGTCACTGTCACAAGCCTTGGAGGATGTTAGCAGGGGAGGTTCTCCTTTTGCTATTGTCATCAC
CCAGCAACACCAGATTCACCGCTCCTGCACAGTCAACATCATGTTTGGAACCCCGCAAGAGCATCGCAAC
ATGCCCCAAGCAGATGCCATGGTGCTGGTGGCCAGAAATTATGAGCGTTACAAGAATGAGTGCCGGGAGA
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CTCGCTGAAGACACAGCCAAGCTCCCAACCGCTCCAGAGCGGCCAAGTGCTCCCCTCTGCTACACCCACT
CCATCTGCACCCCCCACCTCCCAGCAAGAGCTTCAGGCCAAAATCCTCAGCCTCTTCAATAGTGGCACAG
TGACGGCCAATAGCAGCTCTGCATCCCCCTCGGTTGCTGCCGGAAACACCCCAAACCAGAATTTTTCCAC
AGCAGCAAACAGCCAGCCTCAACAAAGATCACAGGCTTCTGGCAATCAGCCTCCAAGCATTTTGGGACAG
GGAGGATCTGCTCAGAACATGGGCCCCAGACCTGGGGCTCCTTCCCAAGGGCTTTTTGGCCAGCCTTCCA
GTCGCCTGGCACCTGCTAGCAACATGACTAGCCAGAGGCCTGTGTCTTCCACAGGTATCAACTTTGACAA
TCCAAGTGTACAGAAGGCTCTGGATACCCTGATCCAGAGTGGCCCTGCTCTCTCCCACCTGGTTAGCCAG
ACCACAGCACAGATGGGGCAGCCACAGGCCCCCATGGGATCTTACCAGAGGCATTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC213539 representing NM_020967
Red=Cloning site Green=Tags(s)

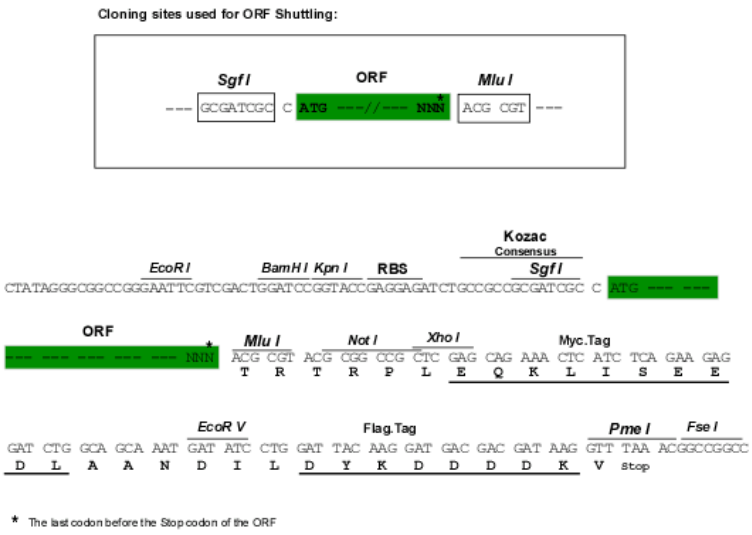
MNTAPSRPSPTRRDPYGFGDSRDSRRDRSPIRGSPRREPRDGRNGRDARDSRDIRDPRDLRDHRHSRDLR
DHRDSRSVRDVRDVRDLRDFRDLRDSRDFRDQRDPMYDRYRDMRDSRDPMYRREGSYDRYLRMDDYCRRK
DDSYFDRYRDSFDGRGPPGPESQSRAKERLKREERRREELYRQYFEEIQRRFDAERPVDCSVIVVNKQTK
DYAESVGRKVRDLGMVVDLIFLNTEVSLSQALEDVSRGGSPFAIVITQQHQIHRSCTVNIMFGTPQEHRN
MPQADAMVLVARNYERYKNECREKEREEIARQAAKMADEAILQERERGGPEEGVRGGHPPAIQSLINLLA
DNRYLTAEETDKIINYLRERKERLMRSSTDSLPGPISRQPLGATSGASLKTQPSSQPLQSGQVLPSATPT
PSAPPTSQQELQAKILSLFNSGTVTANSSSASPSVAAGNTPNQNFSTAANSQPQQRSQASGNQPPSILGQ
GGSAQNMGPRPGAPSQGLFGQPSSRLAPASNMTSQRPVSSTGINFDNPSVQKALDTLIQSGPALSHLVSQ
TTAQMGQPQAPMGSYQRHY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1790_f11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_020967

ORF Size: 1737 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:
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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_020967.3

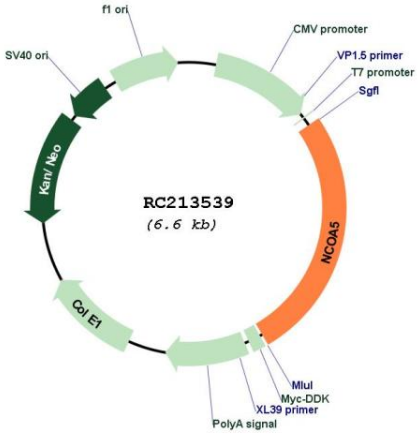
RefSeq Size: 3209 bp

RefSeq ORF: 1740 bp

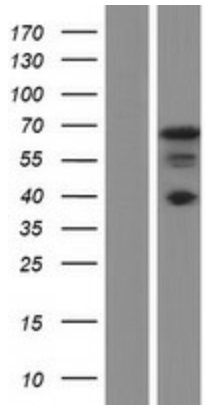
Locus ID: 57727

UniProt ID:	Q9HCD5
Cytogenetics:	20q13.12
Domains:	HGTP_anticodon
Protein Families:	Druggable Genome, Transcription Factors
MW:	65.5 kDa
Gene Summary:	This gene encodes a coregulator for the alpha and beta estrogen receptors and the orphan nuclear receptor NR1D2. The protein localizes to the nucleus, and is thought to have both coactivator and corepressor functions. Its interaction with nuclear receptors is independent of the AF2 domain on the receptors, which is known to regulate interaction with other coreceptors. Several alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jan 2017]

Product images:



Circular map for RC213539



Western validation with an anti-DDK antibody; L: Control HEK293 lysate R: Over-expression lysate