

## Product datasheet for **RG233146**

### **NCOA7 (NM\_001199621) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	NCOA7 (NM_001199621) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NCOA7
Synonyms:	dj187j11.3; ERAP140; ESNA1; Nbla00052; Nbla10993; NCOA7-AS; TLDC4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG233146 representing NM\_001199621  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTGGTTCAGAAGCCCCATGGGACTATGGAATACACTGCTGGAACCAGGACACCCTAACTCCATAG  
 CACTGAAATTTAACATCACTCCCAATAAATTGGTGAACGAATAAACTTTTCACACATACTATTGTCC  
 AGGCCAGGTCCTTTTGTGCCAGATGCCAACTCTCCTTCCAGTACCTTAAGGCTATCATCATCCAGTCTT  
 GGTGCTACTGTCTCTCCTTCATCATCAGATGCAGAATATGATAAATTGCCTGATGCTGACTTAGCACGAA  
 AGGCCTTGAAACCCATTGAAAGAGTCTTATCGTCTACTTCTGAAGAAGATGAGCCAGGTGTGGTAAATT  
 TTTAAAAATGAATTGTCGATACTTCACCGATGGAAAGGGTGTGGTTGGCGGTGTTATGATAGTGACTCT  
 AACACATCATGTTTGACCCTCATAAATCTGATCCTCTGGTTATTGAAAAAGGGTGTGAGGAGTATGGTC  
 TCATCTGCCCCATGGAAGAGGTTGTTCCATTGCGCTCTACAATGACATTTCTCACATGAAGATCAAGA  
 TGCCCTGGCATCGCTGGAGAATGGGAAGACCTGGCTTCAGAAAAGGATATCAACCCATTCAGTAAGTTC  
 AAATCTATCAACAAGGAAAAACGACAGCAGAATGGAGAGAAAAATTATGACTTCGGATTCCAGACCAATAG  
 TACCTTTGGAGAAGTCCACAGGACATACACCTACAAAGCCCTCAGGCAGCTCTGTGTGAGAGAAATTA  
 GAAACTGGACTCCTCTAGGGAGACATCCATGGTCTCCACAGTGACTAAGCTCAGCAAGGAACCTTCC  
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 TGGAGAAGACTTTCTTCTCAAACCTGGTGGTGAATGCACAAAAAGACACCTTGAAGGAGTGCCTTTCTCT  
 TGACCCAGAGGAACGAAAGAAAGCTGAGTCACAAATAACAATTTGCCGTGGAATGCAGGTGCAGTCA  
 GCCCTAGCCTTTTTGGGAACAGAGAATGATGTTGAACTGAAGGGGGCGCTAGATTTAGAAACCTGTGAGA  
 AGCAAGATATAATGCCAGAAGTGGACAAGCAGTCTGGTTCCGCAAGCCGAGTAGAAAAACACATGAA  
 CATACATGAAGATTTAGATAAAGTTAAACTCATTGAATATTACCTGACTAAGAACAAGAAAGGGCCACAG  
 GTATCTGAAAAATTTGAGAAAAACAGAATTAAGTATGAAAAAGTATTGAACCAGGGGGAATAGACATTA  
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 GGTGAAAAAGGGAGAGCCCTCCCGTAAAACCTGAACTTCTACAGAAGCAAATGTGATTAAGAGGCT  
 CTAGACTCCTCTTTGGAATCTACTCTGGACAACAGCTGTCAAGGTGCACAAATGGATAATAAATCTGAAG  
 TTCAGTTGTGGCTGTTAAAGAGAATTCAGGTACCCATTGAAGATATACTTCTTCAAAGAAGAAAAAAG  
 CAAGACCCACCCATGTTCTGTGCATCAAAGTGGGAAAACCAATGAGAAAATCCTTTGCCACTCACACT  
 GCAGCCATGGTCCAGCAGTACGGCAAACGGAGAAAGCAGCCAGAGTACTGTTTGTCTCCTCGGGAGA  
 GGGTGGATCATTGTACACATTTCTTGTTCAGTGGTCTCCCGATGTCTATGGAAAAGATGCCAAAGAGCA  
 AGGCTTTGTGGTGGTGGAGAAGGAAGAACTGAACATGATTGACAACCTTTCAGTGAGCCAAACCAAG  
 AGCTGGGAGATCATCACTGTTGAAGAGGCAAAGCGCAGGAAGAGCACATGCAGCTACTATGAAGACGAGG  
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 AACTTTTCTACACATTCAGCCCTCATTTTAAGTCTTTAAGTGGAGTGGAGAAAAATTCATACTTTATC  
 AATGGAGACATAAGTTCTTTAGAACTTGGTGGTGGAGGGGACGATTTGGTTTATGGCTAGATGCTGATT  
 TATACCACGACGAAGCAACTCTTGACGCACTTCAATAATGATATTCTTTCAAAGGAAGACTTCAT  
 AGTTCAGGATCTGGAGGTGTGGCATTGAT

**ACGGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

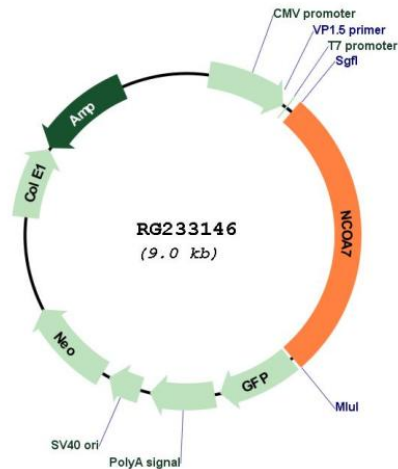
**Protein Sequence:** >RG233146 representing NM\_001199621  
Red=Cloning site Green=Tags(s)

MVVQKPHGTMEYTAGNQDTLNSIALKFNITPNKLVELNKLFTHTIVPGQVLFVPDANSPSSTLRLSSSSP  
GATVSPSSSDAEYDKLPDADLARKALKPIERVL SSTSEEDPGVVKFLKMNCRYFTDGKGVVGGVMIVTP  
NNIMFDPHKSDPLVIENGCEEYGLICPMEEVVSIALYNDISHMIKDALPSPGEWEDLASEKDINPFSKF  
KSINKEKRQNGEKIMTSDSRPIVPLEKSTGHTPTKPSGSSVSEKLLKLDSSRETSHGSPVTVKLSKEPS  
DTSSAFESTAKENFLGEDDDFVDLEELSSQTGGGMHKKDTLKECLSLDPEERKKAESQINNSAVEMQVQS  
ALAF LGTENDVELKGALDLETCEKQDIMPEVDKQSGSPE SRVENTLNIHEDLDKVKLIEYYLTKNKEGPQ  
VSEN LQKTELS DGKSI EPGGIDITLSSSLSQAGDPITEGNKEPDKTWVKKGEPLPVKLSNSTEANVIKEA  
LDSSLESTLDNSCQGAQMDNKSEVQLWLLKRIQVPIEDILPSKEEKSKTPPMFLCIKVGKPMRKS FATHT  
AAMVQYQYKRRKQPEYWF AVPRERVDHL YTFVQWSPDVYGKDAKEQGFVVVEKEELNMIDNFFSEPTTK  
SWEIITVEEAKRRKSTCSYYEDEEVLVLRPHSALLENMHIEQLARRLPARVQGYPWRLAYSTLEHGT  
SLKTLYRKSASLDSPVLLVIKMDNQIFGAYATHPFKFS DHYYGTGETFLYTFSPHFVKVFKWGENSYFI  
NGDISSLELGGGGRFGLWLDADLYHGRS NSCSTFNNDILSKKEDFIVQDLEVWAFD

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



**Plasmid Map:**


**ACCN:** NM\_001199621

**ORF Size:** 2481 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.

**RefSeq:** [NM\\_001199621.2](#)

**RefSeq Size:** 6203 bp

**RefSeq ORF:** 2484 bp

**Locus ID:** 135112

**UniProt ID:** [Q8NI08](#)

**Cytogenetics:** 6q22.31-q22.32

**Protein Families:** Druggable Genome

**Gene Summary:** Enhances the transcriptional activities of several nuclear receptors. Involved in the coactivation of different nuclear receptors, such as ESR1, THRB, PPARG and RARA. [UniProtKB/Swiss-Prot Function]