

Product datasheet for **RG200154**

Adracalin (AAAS) (NM_015665) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adracalin (AAAS) (NM_015665) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Adracalin
Synonyms:	AAA; AAASb; ADRACALA; ADRACALIN; ALADIN; GL003
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG200154 representing NM_015665
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTGCTCTCTGGGGTTGTTCCCTCCTCCACCGCCTCGGGTCAAGTCACCTATATGAGCACAATAACG
 AGCTGGTGACGGCAGTAGCTATGAGAGCCCGCCCCGACTTCCGGGGCAGTGGATCAATCTTCTGT
 CCTACAACAGACAAAGGATCCCCATAAGACCCCTGGAAGGCTGGACCATGGCACAAGAACTGCCTTCATC
 CATCACCGGGAGCAAGTGTGGAAGAGATGCATCAACATTTGGCGTGATGTGGGCTTTTGGGGTGTAA
 ATGAAATTGCAAACTCAGAAGAAGAGGTGTTGAGTGGGTGAAGACGGCATCCGGCTGGGCCCTGGCACT
 CTGTGATGGGCTCTTCCCTCCATGGGTCCCTGTTCCCCCATCTGTCTCTCAGGAGCGAAGATCTGATC
 GCTGAATTTGCCAAGTCACAAATTGGTCCAGCTGCTGCTTGGTGTCTTTGCATGGCACCCACACCA
 ACAAGTTTGCAGTGGCCTGCTAGATGACTCAGTCCGTGTGTAATGCCAGCAGCACCATAGTCCCTC
 CCTGAAGCACCGGCTGCAGCGAAATGTGGCGTCTCTGGCCTGGAAGCCCTTAGTGCCTCTGTCTTGGCT
 GTGGCCTGCCAGAGCTGCATTCTTATCTGGACCTGGACCTACCTCCTTGTCTACCCGACCTCTTCTG
 GCTGTGCCAAGTGTGTCTCACCTGGGCATACACCTGTTACCAGCTTGGCCTGGGCCCCAGTGGGGG
 GCGGCTGCTCTCAGCTTCACCGTGGATGCTGCTATCCGGGTATGGGATGTCTAACAGAGACCTGTGTC
 CCCCTTCCCTGGTTTCGAGGAGGTGGGGTGACCAACCTGCTCTGGTCCCCAGACGGCAGCAAAATCCTGG
 CTACCACTCCTTCAGCTGTCTTTCGAGTCTGGGAGGCCAGATGTGGACTTGTGAGAGGTGGCCTACTCT
 ATCAGGGCGCTGTGAGTGGCTGCTGGAGCCAGATGGCAGCCGACTGCTGTTCACTGTATTGGGAGAG
 CCACTGATTTACTCCCTGTCTTTCCAGAACGTTGTGGTGAGGAAAGGGGTGCGTTGGAGGTGCAAAGT
 CAGCAACGATTGTGGCAGATCTGTCTGAGACAACAATACAGACACCAGATGGTGAGGAGAGGCTTGGGG
 AGAGGCTCACTCCATGGTCTGGGACCCAGTGGGGAACGCTGGCTGTGCTTATGAAAGGAAAGCCAAGG
 GTACAGGATGGTAAACAGTCATCCTCCTTTTTCGCACTCGAAACAGCCCTGTGTTTGTGCTCCTTCCCT
 GTGGCATTATCCAGGGGAGCCAGGAGCCAGCCAGCTCATCACTTTCCATCCTTCTTCAACAAAGG
 GGCCCTGCTCAGTGTGGGCTGGTCCACAGGCCAATTGCCACATCCCGCTGTACTTTGTCAATGCCAG
 TTTCCACGTTTTAGCCAGTGTGGGCGGGCCAGGAACCCCTGCTGGGGGTGGAGGCTCTATTCATG
 ACCTGCCCTCTTACTGAGACATCCCCAACCTCTGCCCTTGGGACCTCTCCAGGGCCACCACCTGT
 TCTGCCCCACTCCCCACATTCCACCTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

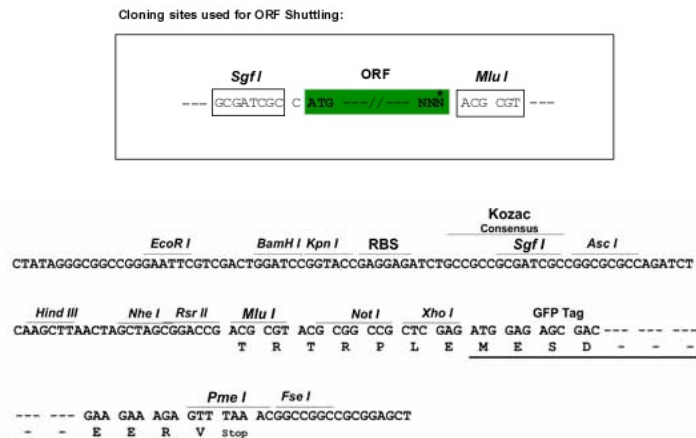
>RG200154 representing NM_015665
 Red=Cloning site Green=Tags(s)

MCSLGLFPPPPRQVTLTYEHNELVTGSSYSPPPDFRGQWINLPVLQLTKDPLKTPGRLDHGTRTAFI
 HHREQVWKRCINIWDRDVLFGVLNEIANSEEEVFEWKTASGWALALCRWASSLHGSFLPHLSRSEDLI
 AEFAQVTNWSSCLRVFAWHPHTNKFVALLDDSVRVYNASTIVPSLKHRLQRNVASLAWKPLSASVLA
 VACQSCILIWTLDPSTLSTRPSSGCAQVLSHPGHTPVTSLAWAPSGGRLLSASPVDAAIRVWDVSTETCV
 PLPWFRGGVTNLLWSPDGSKILATTPSAVFRVWEAQMWTCERWPTLSGRQGTGCWSPDGSRLFTVLGE
 PLIYLSFPERCGEGKGCVGAKSATIVADLSETTIQTPDGEERLGGEAHSMVWDPSGERLAVLMKGKPR
 VQDGKPVILLFRTRNSPVFELLPCGIIQGEPGAQPLITFHPSFNKGALLSVGWSTGRIAHIPLYFVNAQ
 FPRFSPVLGRAQEPPAGGGSIHDLPLFTETSTPSAPWDPLPGPPVLPSPHSHL

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_015665

ORF Size: 1638 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_015665.3](#), [NP_056480.1](#)

RefSeq Size: 1816 bp

RefSeq ORF: 1641 bp

Locus ID: 8086

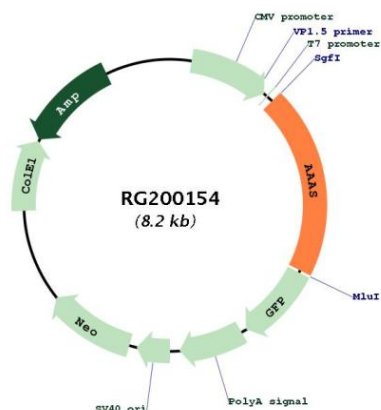
UniProt ID: [Q9NRG9](#)

Cytogenetics: 12q13.13

Domains: WD40

Gene Summary: The protein encoded by this gene is a member of the WD-repeat family of regulatory proteins and may be involved in normal development of the peripheral and central nervous system. The encoded protein is part of the nuclear pore complex and is anchored there by NDC1. Defects in this gene are a cause of achalasia-addisonianism-alacrima syndrome (AAAS), also called triple-A syndrome or Allgrove syndrome. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2010]

Product images:



Circular map for RG200154