

Product datasheet for **RG201316**

C20orf4 (AAR2) (NM_015511) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C20orf4 (AAR2) (NM_015511) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C20orf4
Synonyms:	C20orf4; CGI-23
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201316 representing NM_015511 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCCGTGCAGATGGATCCTGAGCTAGCCAAGCGCCTCTTCTTTGAAGGGGCCACTGTGGTCATCC
TGAACATGCCCAAGGGAACAGAGTTTGGGATTGACTATAACTCCTGGGAGGTCGGGCCCAAGTCCGGGG
CGTGAAGATGATCCCTCCAGGCATCCACTTCTCCACTACAGCTCTGTGGACAAGGCTAATCCGAAGGAA
GTAGGCCCTCGTATGGGTTTCTCCTTAGCCTGCACCAGCGGGGCTGACAGTGTGCGCTGGAGCACAC
TCAGGGAAGAGGTAGACCTGTCCCAGCCCAGAGTCTGAGGTGGAGGCCATGAGGGCCAACCTCCAGGA
GCTGGACCAGTTCCTGGGCTTACCCATATGCCACCCTGAAGAAGTGGATCTCACTACCAACTTCATC
AGCGAAGCCACAGTGGAGAAGCTACAGCCCAGAAATCGACAGATCTGTGCCTTTCCGATGTGCTACCTG
TGCTCTCCATGAAGCACACCAAGGACCGCTGGGGCAGAATCTACCCCGCTGTGGCATTGAGTGCAAAAAG
CTACCAAGAGGGCCTGGCCCGGCTACCAGAGATGAAGCCAGAGCCGGGACAGAGATCCGCTTCTCAGAG
CTGCCCACGCAGATGTTCCAGAGGGTGCCACGCCAGCTGAGATAACCAAGCACAGCATGGACCTGAGCT
ATGCCCTGGAGACTGTGCTCAACAAGCAGTTCACAGCAGCCCCAGGATGTGCTGGTGAACCTCCAGTT
TGCTTTTGTGTGCTTCTGCTGGGAATGTGTACGAGGCATTTGAGCATTGGAAGCGGCTCCTGAACCTC
CTGTGCCGCTCAGAAGCAGCCATGATGAAGCACCACCCCTCATACCACTCATCTCCATCCTGTACC
ACCAGCTTGGTGAGATCCCGCTGACTTCTCGTAGACATTGTCTCCAAGACAACCTCCTCACCAGCAC
CTTACAGTTTTTCTTTCTGCTGCGCTGCAGCATTGCCGTGGATGCCACCCTGAGAAAGAAAGCTGAAAAG
TTCCAAGCTCACCTGACCAAGAAGTTCGGTGGGACTTTGCTGCGGAACCTGAGGACTGTGCCCCGGTGG
TGGTGGAGCTCCCTGAGGGCATCGAGATGGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201316 representing NM_015511
 Red=Cloning site Green=Tags(s)

MAAVQMDPELAKRLFFEGATVVILNMPKGTEFGIDYNSWEVGPVKFRGVMIPPGIHFHLYSSVDKANPKE
 VGPRMGFFLSLHQRGLTVLRWSTLREEVDLSPAPESEVEAMRANLQELDQFLGPYPYATLKKWISL TNFI
 SEATVEKLPENRQICAFSDVLPVLSMKHTKDRVGQNLPRCGIECKSYQEGLARLPEMKPRAGTEIRFSE
 LPTQMFPEGATPAEITKHSMDLSYALETVLNKQFPSSPQDVLGELQFAFVCFLLGNVYEA FEHWKRLNL
 LCRSEAAMMKHHTLYINLISILYHQLGEIPADFFVDIVSQDNFLTSTLQVFFSSACSIADVATLRKKA EK
 FQAHLTKKFRWDFAAEPEDCAPVVVELPEGIEMG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015511

ORF Size: 1152 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_015511.4](#)

RefSeq Size: 2684 bp

RefSeq ORF: 1155 bp

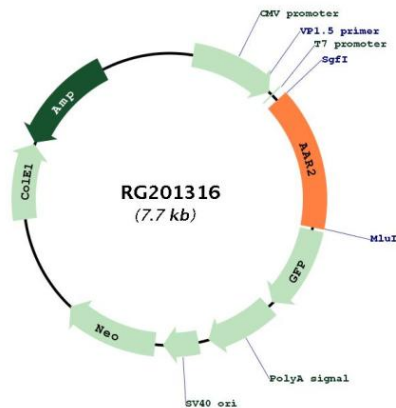
Locus ID: 25980

UniProt ID: [Q9Y312](#)

Cytogenetics: 20q11.23

Gene Summary: This gene encodes the homolog of the yeast A1-alpha2 repressin protein that is involved in mRNA splicing. Alternately spliced transcript variants have been found for this gene. [provided by RefSeq, Dec 2012]

Product images:



Circular map for RG201316