

Product datasheet for **RG232629**

C20orf4 (AAR2) (NM_001271874) Human Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | C20orf4 (AAR2) (NM_001271874) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | AAR2 |
| Synonyms: | C20orf4; CGI-23 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG232629 representing NM_001271874 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCCGTGCAGATGGATCCTGAGCTAGCCAAGCGCCTCTTCTTTGAAGGGGCCACTGTGGTCATCC
TGAACATGCCCAAGGGAACAGAGTTTGGGATTGACTATAACTCCTGGGAGGTCGGGCCCAAGTCCGGGG
CGTGAAGATGATCCCTCCAGGCATCCACTTCTCCACTACAGCTCTGTGGACAAGGCTAATCCGAAGGAA
GTAGGCCCTCGTATGGGTTTCTCCTTAGCCTGCACCAGCGGGGCTGACAGTGTGCGCTGGAGCACAC
TCAGGGAAGAGGTAGACCTGTCCCAGCCCAGAGTCTGAGGTGGAGGCCATGAGGGCCAACCTCCAGGA
GCTGGACCAGTTCCTGGGCTTACCCATATGCCACCCTGAAGAAGTGGATCTCACTACCAACTTCATC
AGCGAAGCCACAGTGGAGAAGCTACAGCCCAGAAATCGACAGATCTGTGCCTTTCCGATGTGCTACCTG
TGCTCTCCATGAAGCACACCAAGGACCGCTGGGGCAGAATCTACCCCGCTGTGGCATTGAGTGCAAAAAG
CTACCAAGAGGGCCTGGCCCGCTACCAGAGATGAAGCCAGAGCCGGGACAGAGATCCGCTTCTCAGAG
CTGCCCACGCAGATGTTCCAGAGGGTGCCACGCCAGCTGAGATAACCAAGCACAGCATGGACCTGAGCT
ATGCCCTGGAGACTGTGCTCAACAAGCAGTTCACCCAGCAGCCCCAGGATGTGCTTGGTGAACCTCCAGTT
TGCTTTTGTGTGCTTCTGCTGGGAATGTGTACGAGGCATTTGAGCATTGGAAGCGGCTCCTGAACCTC
CTGTGCCGCTCAGAAGCAGCCATGATGAAGCACCACACCCTCATCAACCTCATCTCCATCCTGTACC
ACCAGCTTGGTGAGATCCCGCTGACTTCTCGTAGACATTGTCTCCAAGACAACCTCCTCACCAGCAC
CTTACAGTTTTTCTTTCTGCTGCGCTGCAGCATTGCCGTGGATGCCACCCTGAGAAAGAAAGCTGAAAAG
TTCCAAGCTCACCTGACCAAGAAGTTCGGTGGGACTTTGCTGCGGAACCTGAGGACTGTGCCCCGGTGG
TGGTGGAGCTCCCTGAGGGCATCGAGATGGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG232629 representing NM_001271874
 Red=Cloning site Green=Tags(s)

MAAVQMDPELAKRLFFEGATVVILNMPKGTFFGIDYNSWEVGPFRGKVMIPPGIHFHYSSVDKANPKE
 VGPRMGFFLSLHQRGLTVLRWSTLREEVDLSPAPESEVEAMRANLQELDQFLGPYPYATLKKWISLTNFI
 SEATVEKLPENRQICAFSDVLPVLSMKHTKDRVGNLPRCGIECKSYQEGLARLPEMKPRAGTEIRFSE
 LPTQMFPEGATPAEITKHSMDLSYALETVLNKQFPSSPQDVLGELQFAFVCFLLGNVYEAFAEHWRLLNL
 LCRSEAAAMKHHTLYINLISILYHQLGEIPADFFVDIVSQDNFLTSTLQVFFSSACSIADVATLRKKAEK
 FQAHLTKKFRWDFAAEPEDCAPVVVVELPEGIEMG

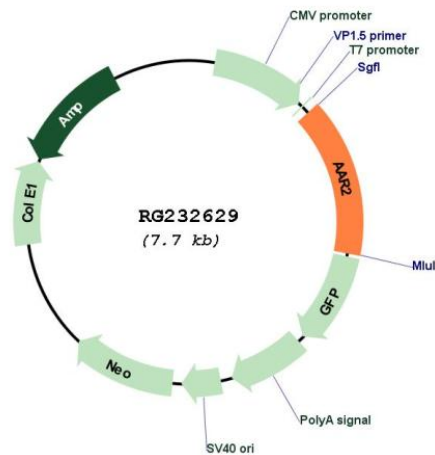
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001271874

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|-------------------------------|---|
| 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: | <ol style="list-style-type: none">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_001271874.2 |
| RefSeq Size: | 2486 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] |