

Product datasheet for **RG208540**

C9orf98 (AK8) (NM_152572) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C9orf98 (AK8) (NM_152572) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C9orf98
Synonyms:	AK 8; C9orf98; DDX31
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG208540 representing NM_152572
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGACGCCACTATCGCCCCGACCGTATCCCCCCGAGATGCCCCAGTACGGGGAGGAGAACCACATCT
 TCGAGTTGATGCAGAACATGCTGGAGCAACTCCTGATCCACCAGCCGAAGATCCCATCCCCTTCATGAT
 CCAGCACTTGCATAGAGACAACGACAATGTGCCAGGATTGTAATATTAGGTCCACCCGCTCAGGGAAA
 ACAACAATAGCAATGTGGCTCTGCAAACATCTGAACAGCAGTCTCCTCACCTGGAGAACCTGATCTTAA
 ATGAGTTTTCTATACGGCCACCGAAGCCAGAAGGCTTTATCTGCAAAGGAAGACAGTTCACAGCGCGCT
 GCTCGTCCAGTGATTACGGAACGCTGGCTGAAGAGGATTGCATCAAGCAGGGCTGATTCTGGATGGC
 ATCCCTGAGACGCGTGAGCAGGCTCTGAGGATCCAGACCCTGGGGATCACACCCAGACACGTCATTGTGC
 TGAGTGCTCCAGACCGTCTGATCGAGAGAACTTGGGGAAGAGAATCGACCCTCAAACCTGGAGAGAT
 TTATCACACCACCTTTGACTGGCCACCCGAATCTGAAATCCAGAACCGTCTCATGGTGCCAGAGGACATC
 TCAGAGCTGGAGACGGCTCAGAACTGCTGGAGTATCATAGGAACATCGTCAGGGTCATTCCCTCCTACC
 CAAAAATCCTCAAAGTCATCAGTGTGACCAGCCATGTGTGGACGCTTCTACCAGGCTCTGACCTATGT
 CCAAAGCAACCATCGTACTAATGCCCGTTACCCCGAGGGTGTCTGTCTCGGGCCTGTGGCAGTGGG
 AAAAGTCTGCAGGCCGCCCTCCTGGCCAGAAATACAGGCTTGTCAATGTCTGTCTGTGGCAACTGCTGA
 AAGAGGCTGTGGCAGATAGGACCACGTTTGGCGAGCTCATCCAGCCCTCTTTGAAAAGGAGATGGCAGT
 TCCTGACAGCCTCCTCATGAAGGTGTGAGCCAGCGCTGGACCAGCAGGACTGCATCCAGAAAGGCTGG
 GTGCTACACGGCGTCCCAGCGGACCTCGACCAGGCACACCTGCTGAACCGCTGGGCTACAATCCCAACA
 GGGTGTTTTTCTGAATGTGCCATTTGATTCCATCATGGAGCGGCTGACTCTGAGAAGAATTGATCCAGT
 CACTGGGAAAGGTACCACCTCATGTACAAGCCACCTCCACCATGGAGATCCAGGCTCGCCTCCTGCAG
 AACCCAAAGGATGCTGAAGAGCAGGTCAAGCTGAAAATGGACCTGTTCTACAGGAACTCAGCTGACTTGG
 AGCAGTTGTATGGGTCGGCCATCACCTCAATGGGGACCAGGCCATACACAGTCTTCGAATACATCGA
 GAGTGGGATCATTAAATCCCCTGCCCAAGAAAATCCCC

AG**GCGACCG**ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

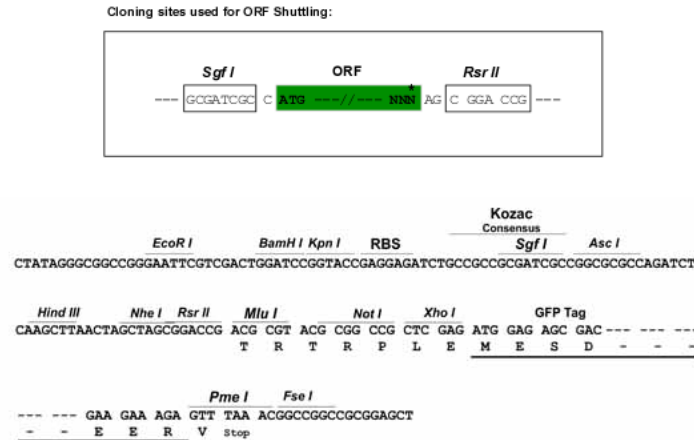
>RG208540 representing NM_152572
 Red=Cloning site Green=Tags(s)

MDATIAPHRIPEMPQYGEENHIFELMQNMLEQLLIHQPEDPIPFMIQHLHRDNDNVPRIVILGPPASGK
 TTIAMWLCKHLNSSLTLENLILNEFSYATEARRLYLQRKTVPALLVQLIQLERLAEDCIKQGWILDG
 IPETREQALRIQTLGITPRHVIVLSAPDVLIERNLGKRIDPQTGEIYHTTFDWPPESEIQNRLMVPEDI
 SELETAQKLLLEYHRNIVRVIPSYPKILKVISADQPCVDVFYQALTYVQSNHRTNAPFTPRVLLLGPVGS
 KSLQAALLAQKYRLVNVCCGQLLKEAVADRTTFGELIQPFKEMAVPDSLLMKVLSQRLDQDCIQKGW
 VLHGVPRLDQAHLLNRLGYNPNRVFFLNVPFDSIMERLTLRRIDPVTGERYHLMYKPPPTMEIQARLLQ
 NPKDAEEQVKLKMDFYRNSADLEQLYGSAITLNGDQDPYTVFEYIESGIINPLPKKIP

SGP**TRRRLE** – GFP Tag – V

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:


ACCN: NM_152572

ORF Size: 1437 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_152572.3](#)

RefSeq Size: 2185 bp

RefSeq ORF: 1440 bp

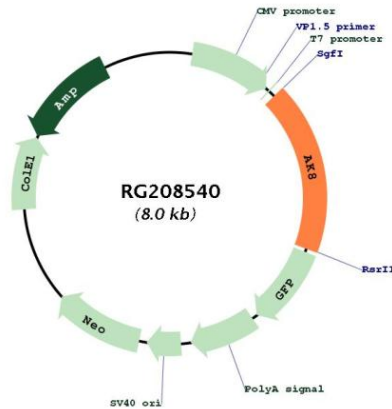
Locus ID: 158067

UniProt ID: [Q96MA6](#)

Cytogenetics: 9q34.13

Gene Summary: Nucleoside monophosphate (NMP) kinase that catalyzes the reversible transfer of the terminal phosphate group between nucleoside triphosphates and monophosphates. Has highest activity toward AMP, and weaker activity toward dAMP, CMP and dCMP. Also displays broad nucleoside diphosphate kinase activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG208540