

Product datasheet for **RG202588**

KIAA1539 (FAM214B) (NM_025182) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	KIAA1539
Synonyms:	KIAA1539
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG202588 representing NM_025182
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCGCCACGTGCAGGCGGAGCCGTCTCCATCCTCAGAGCCGAGGCTGGCCCTTCACAGCCTCCAGTCA
 GGCAGGGGGCCCTCCAGGGTGGCCTGCTCATGGGCTACAGCCAGCAGGGGGGGCGACATCCCCGGGGT
 CTACCAAGTATCCATCTTTTCCCTCCGGCTGGTACCTCTGAGCCTCATAGGGCCCTGAAACGACAAGCC
 CCATCCACTGAGGGTCCCCGGGAGCTGAAGAGAGGCCCTGGGCTGGGGGCCAGAGAGGGACTACCCCTG
 AAGAACCATCTACTGTGGGGCTCTTAGGCCAGAGGGACCGGGCTGGGACTAGGTGTGGCCAGCCAGCA
 TTTCTCCACCGTGGCCTCTGTGTTGTGAACAGAGAAGTAGTGTCACCTCATCTTGGACTTCAGGGGCC
 TGGAGTCCCCCTGCCCCCATCAAATGCTTCTGCAATACTTTGCACACCAGAGACTGGGCCTCCCCAG
 ATCCAGGGGGACAGGGGTCCCTGGGGGAGTCCCCAGGGCCAGCCCTCCAGGCCAGCTGCACACACTTGA
 CACTGATTTGCACAGTCTTGCACAAATAGGGGGTAAGAGCCAGTGGCTGGGGTGGGCAATGGGGTAGC
 CTCTGGCCTAGGGAGTCCCTGGCACTGCCAATGGGCACAGTCCCGAGCACACCCCTGGCCCTGGAC
 CCCCAGGCCCTGCCCCACCAAGCGAAGGCTGCTTCTGCTGGAGAAGCCCCAGATGTCAGCTCTGAGGA
 AGAGGGGCCAGCCCTCGGAGGCGCCGGGATCCCTGGGCCACCTACTGCTGCCAACAGTTCTGATGCC
 AAAGCCACACCTTCTGGAGCCACCTGCTGCCTGGGCCAAAGAGCCTGTTTTGGACCCAACAGACTGCG
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 GCCAGGCCTGCTGAGCCCCCAGTGCCTCCCCTGTTCTACCCCTGCTGTGAGCCGTACCTCTGTTGGC
 AACTTTGAGGAATCATTGCTGCGAGGACGTTTTGCACCATCTGGCCACATTGAGGGCTTCACAGCAGAAA
 TTGGAGCTAGTGGGTCACTGCCCCAGCAGTCACGCTGCCTGCTGCTGTCACATTCTTTGATGTTTC
 TGAGCAAAATGCCCGGCTCCCTTCTGGGCATCGTGGATCTGAACCCCTTGGGGAGGAAGGGTTACAGC
 GTGCCCAAGGTGGGCACCGTCCAAGTGACCTTATTTAACCCCAACCAGACTGTGGTAAAGATGTTCTTG
 TGACCTTTGACTTCTCGGACATGCCTGCTGCCACATGACCTTCTGCGCCATCGCCTCTTTTGGTGCC
 TGTGGGTGAGGAGGAAATGCTAACCCACCCACCGCTCCTGCTACTTGTGTCACCTCAGGTTCCGG
 AGCTCCCGCTCAGGCCGCTTAAGCCTGCATGGAGATATCCGCTGCTTTTTTCCCGCCGAGCCTGGAGC
 TGGACACAGGGCTCCCCTACGAAGTGCAGGCTGTGACCGAGGCCCTCATAATCCACGTTATTACCTTT
 GCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA

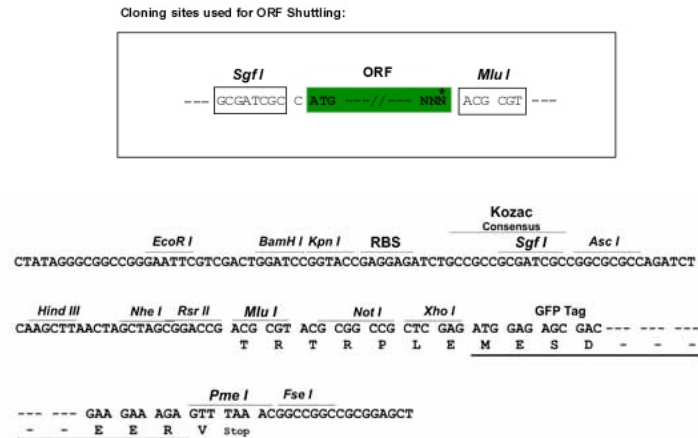
Protein Sequence: >RG202588 representing NM_025182
 Red=Cloning site Green=Tags(s)

MRHVQAEPSPSSEPEAGPSQPPVRQALQGGLLMGYSPAGGATSPGVYQVSIFSPAGTSEPHRALRKQA
 PSTEGPRELKRGPGLGAREGLPPEEPSTVGLLGPEGPGLGLGVASQHFHRGLCVVEQRSSVTSSWTS
 WSPPCPPSNASCNTLHTRDWDSPDPGGQSLGESPGPAPPGQLHTLDTDLHSLAQIGKSPVAGVNGGS
 LWPRESPTANGHSPEHTPPGPGPPGPCPTKRRLPAGEAPDVSSEEGPAPRRRRGSLGHPTAANSSDA
 KATPFWSHLLPGKPEVLDPTDCGPMGRRLLKGARRLLKSLRSLRKGPGLLSPPSASPVPTPAVSRTLLG
 NFEESLLRGRFAPSGHIEGFTAIEIGASGSYCPQHVTLPVTVTFDFVSEQNAPAPFLGIVDLNPLGRKGYS
 VPKVGTQVTLFNPNTVVKMFLVTFDFSDMPAAHMTFLRHRLFLVPVGEENANPTHRLLCYLLHLRFR
 SSRSGRLSLHGDIRLLFSRRSLELDTGLPYELQAVTEAPHNPRYSPLP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_025182

ORF Size: 1614 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.

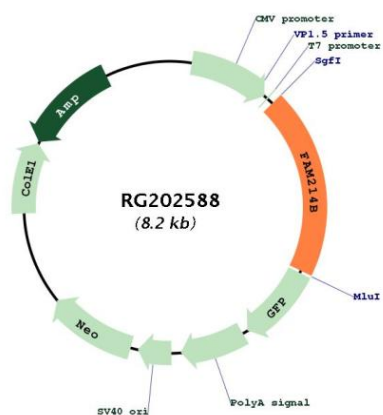
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_025182.2](#), [NP_079458.2](#)

RefSeq Size: 3045 bp

RefSeq ORF: 1617 bp
 Locus ID: 80256
 UniProt ID: [Q7L5A3](#)
 Cytogenetics: 9p13.3

Product images:



Circular map for RG202588