

Product datasheet for **RG205217**

KIAA1434 (GPCPD1) (NM_019593) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	KIAA1434
Synonyms:	EDI3; GDE5; GDPD6; PREI4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG205217 representing NM_019593
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGACACCTTCTCAGGTTGCCTTTGAAATAAGAGGAACCTTTTACCAGGAGAAGTTTTGCGATATGTG
 GAAGCTGTGATGCTTTGGGAACTGGAATCCTCAAAATGCTGTGGCTCTTCTCCAGAGAATGACACAGG
 TGAAAGCATGCTATGGAAGCAACCATTTGACTCAGTAGAGGAGTATCAGTTCAGTATCGCTACTTCAAA
 GGGTACTTTTTAGAACCAAGACTATCGGTGGTCCATGTCAAGTGATAGTTCACAAGTGGGAGACTATC
 TACAACCACGATCAATAACCCCTTTAGAAAGCGAAATTATTATTGACGATGGACAATTTGGAATCCACAA
 TGGTGTGTGAAACTCTGGATTCTGGATGGCTGACATGTGACACTGAAATAAGATTACGTTTGCAATTATTCT
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 CCTGATCGTTGGACAGAGTACAGCATACAGACGATGGAACAGATAACCTGGAATAATCTTTGATTTTT
 TCGAAGAAGATCTCAGTGAGCAGTATTCAGGGTGTGCCCTTCTGGACATGTGGGTACAGCTTGTCT
 CTTATCATCCACCATTGCTGAGAGTGGAAAGAGTGTGGAATTTCTACTCTCCCATCATGAGCAGAAAT
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 AAACCTACAACTGCCAGCTGGCTAAAGTTCAAGAAAAATACTATTGCTTCTTTAAGAAATGCTGCT
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 AAGCAGGAATTGCCAGAGCTTAAGAGCTGTTGTGCCACTGTAGCCGCTTTGTTCCCTCATCTTTGT
 GTGGGGAGTCTGATATCCATGTGGATGCCAACGGCATTGATAACGTGGAGAATGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

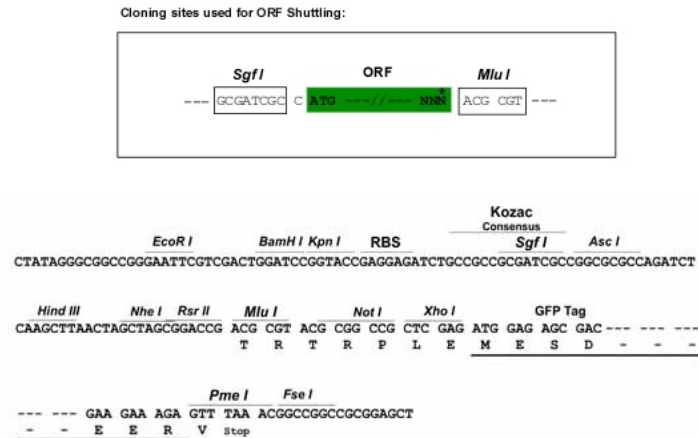
Protein Sequence: >RG205217 representing NM_019593
 Red=Cloning site Green=Tags(s)

MTPSQVAFEIRGTLPLPGEVFAICGSCDALGNWNPQNAVALLPENDTGESMLWKATIVLSRGVSVQYRYFK
 GYFLEPKTIGGPCQVIVHKWETHLQPRITPLESEIIIDDGQFGIHNGVETLDGWLTCQTEIRLRHYS
 EKPPVSITKKLKKSRFRVKTLEGLEEDDDRVSPVLHKMSNSLEISLISDNEFKCRHSQPECGYGLQ
 PDRWTEYSIQTMEDNLELIFDFEEDLSEHVQGDALPGHVGTAALLSSTIAESGKSAGILTLPMSRN
 SRKTIGKVRVDYIIKPLPGYSCDMKSSFSKYWKPRIPLDVGHRGAGNSTTTAQLAKVQENTIASLRNAA
 SHGAAFVEFDVHLSKDFVPVYHDLTCCLTMKKKFDADPVELFEIPVKELTFDQLQLLKLTHVTALKSKD
 RKESVVQEENSFSENQFPFSLKMWLESLPEDVGFNIEIKWICQQRDGMWDGNLSTYFDMNLFILDKTV
 LENSGRRIIVSSFDADICTMVRQKNKYPILFLTQGKSEIYPELMDLRSRTTPIAMSFQAQFENLLGINV
 HTEDLLRNPSYIQEAKAKGLVIFCWGDDTNDPENRRKLKELGVNGLIYDRIYDWMPQPNIFQVEQLERL
 KQELPELKSCLPTVSRFVPSLSCGESDIHVDANGIDNVENA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_019593

ORF Size: 2016 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

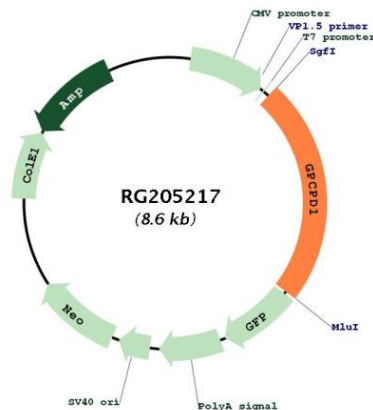
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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:	<u>NM_019593.5</u>
RefSeq Size:	3265 bp
RefSeq ORF:	2019 bp
Locus ID:	56261
UniProt ID:	<u>Q9NPB8</u>
Cytogenetics:	20p12.3
Gene Summary:	May be involved in the negative regulation of skeletal muscle differentiation, independently of its glycerophosphocholine phosphodiesterase activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG205217