

Product datasheet for **RG206644**

KIAA0825 (NM_173665) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	KIAA0825
Synonyms:	C5orf36; PAPA10
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG206644 representing NM_173665
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATTGGGATGATGAATATTCTCATAATTCTTTGACCTACATTGTTTGTTAAACTCATTTCTGGAG
ACTTGAGATTTGAGCAGATCTTCAGTGACATTGATGAAAAGATTGAACAAATGCTGCAAGCATAAAACA
TTGCATTAAAGAGATACAGTCCGAAATTAAACAACATGTCCAGGTGTGCAGCTGCAACAACAACCTGAC
TGCTTTGAATGGCTAACTAATAATTACAGTACATCTGAATCATCTTTTCATTCTCATGGAGACTTGA
TAAATTTTTTCAAAACACTGCAAGATTTGTTGAAGAATGAACAAATCAAGAAGAAATGACATTGGATTT
ACTTTGGGACCTCTCCTGCCACAGCAGCGTTTCATTCCCATCAACCCTAAGTGAACATCTTTCCATTTT
CTCTCTAGGACGTCTTTCATTCTGTTGAAGATAATTCCTCTATGGATGTCAAGTCTATGTGGGATGATA
TAAGACTGCATCTTCGACGCTTCTTAGTGAGCAAATTACAAAGCCATAATGAAATAACAATTACAGCA
AAAAATTTTATTGAAAAAGCAGTGCTTACAACAACTCTGTTTCTTTATCCAGAATCAGAAGTTATAATC
AAATACCAAAACATACAGAATAAACTGTTGGCTAATCTTCTGTGGAACCTGTTTCTTCTTACAACAGAG
ATTCAAATTTAGATGTAATAGCTCATGGATATCAAAGTACAATGCTTAAGTTATACTCAGTAATAAAAGA
GGATTTTAAACACTATGTGAAATTTAGCTCCATCTCAATGGTGAAATTCATTAAGAACTTACCTG
GATACGTGTACAGAAGAAATGGCAAAATTTCTTGAAATTTTGTGAGCTGCAGTTCAGAGAAATGCTG
TTCGTGTGGTTAAACAAGCAAGAGCTCCAGCAAGCATAGAGGAGCAGTGCATGCTTTGGGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG206644 representing NM_173665
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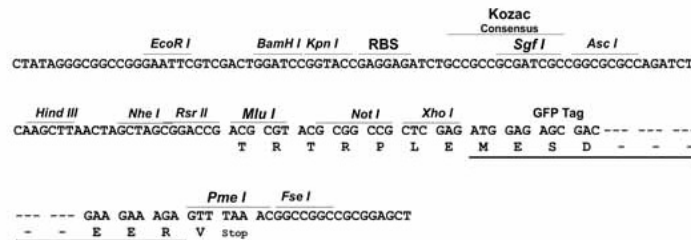
MDWDDEYSHNSFDLHCLLNSFPGDLEFEQIFSDIDEKIEQNAASIKHCIEIQSEINKQCPGVQLQTTTD
CFEWLNTYNYSTSESSFISHGDLIKFFKTLQDLLKNEQNQEEMTLDLLWDLCHSSVSFPSTLSGTSFHF
LSRTSLHSVEDNSSMDVKSMWDDIRLHLRFLVSKLQSHNEINNSQKILLKKQCLQLFLYPESEVII
KYQNIQNKLLANLLWNCFPSYNRDSNLDVIAHGYSQSTMLKLYSVIKEDFNTLCEILAPSSMVKFIKETYL
DTVTEEMAKFLENFCELFRENAVRVVKTSKSSSKHRGAVHALG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_173665

ORF Size: 972 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_173665.3

RefSeq Size: 2262 bp

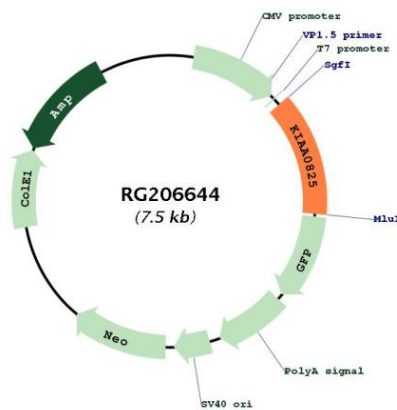
RefSeq ORF: 975 bp

Locus ID: 285600

UniProt ID: Q8IV33

Cytogenetics: 5q15

Product images:



Circular map for RG206644