

Product datasheet for **RG200565**

KIAA0494 (EFCAB14) (NM_014774) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIAA0494 (EFCAB14) (NM_014774) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KIAA0494
Synonyms:	KIAA0494
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG200565 representing NM_014774
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGAAAAAGCGCAAAGAGCTCAATGCATTGATTGGTTTGGCTGGGACAGCCGGAGAAAGAAGCCCAAGA
 AAGGCCCAAGCAGTCACCGCCTGCTTCGCACTGAGCCTCCCGACTCAGACTCTGAGTCCAGCTCCGAAGA
 GGAAGAGGAATTCGGTGTGGTTGGAAATCGCTCTCGCTTTGCCAAGGGAGACTATTTACGATGCTGCAAG
 ATCTGTTATCCGCTCTGTGGTTTGTATCCTTGTCTGCTGTGTGTGGCCTGTGTTGGCTTGGTGTGGA
 TGCAGGTTGCTCTCAAGGAGGATCTGGATGCCCTCAAGGAAAAATTTGAACAATGGAATCTAATCAGAA
 AAGCTCATTCCAAGAAATCCCCAACTTAATGAAGAACTACTCAGCAAGCAAAAACAACCTTGAGAAGATT
 GAATCTGGAGAGATGGGTTTGAACAAAGCTGGATAAACATCACAGAAATGAATAAGCAGATTTCTCTGT
 TGACTTCTGCAGTGAACCACTCAAAGCCAATGTTAAGTCAGCTGCAGACTTGATTAGCCTGCCTACCAC
 TGTAGAGGGACTTCAGAAGAGTGTAGCTTCCATTGGCAATACTTTAAACAGCGTCCATCTTGCTGTGGAA
 GCACTACAGAAAATGTGGATGAACACAAGAAAACGATGGAATTACTGCAGAGTGATATGAATCAGCACT
 TCTTGAAGGAGACTCCTGGAAGCAACCAGATCATTCCGTCACCTTCAGCCACATCAGAACTTGACAATAA
 AACCCACAGTGAGAATTTGAAACAGGATATCCTGTACCTTCACAACTCTTTAGAGGAGGTAACAGTGCC
 CTAGTGGGGTACCAGAGACAGAAATGATCTTAACTCGAGGGAATGAACGAGACAGTCAGTAATCTTACCC
 AGAGAGTCAACCTGATAGAAAGCGATGTGGTTGCTATGAGCAAGGTAGAAAAGAAAGCAACCTGTCCTT
 CAGCATGATGGGTGATAGATCTGCCACTCTGAAAAGACAGTCTTTGGATCAAGTCACCAACAGAACAGAT
 ACAGTAAAAATCCAAAGCATAAAGAAAGAAGATAGTTCAAATTCTCAGGTATCCAAGCTAAGAGAGAAAC
 TCCAGCTGATCAGTGCTCTTACAAACAAACCTGAGAGCAACAGGCCTCCAGAGACCGCCGATGAAGAGCA
 AGTAGAGAGTTTACATCAAAGCCATCAGCATTGCCAAAATTTTACAGTTTCTTGGAGACCCAGTTGAG
 AAAGCTGCCCACTAAGACCTATCTCCCTACCAGGAGTTTCTAGCACTGAAGATCTTCAAGATTTATTCC
 GCAAGACTGGCCAGGACGTGGATGGGAAGCTGACCTACCAGGAAATCTGGACCTCCCTAGGTTCTGCTAT
 GCCAGAACCAGAGAGCTTGAGAGCATTGATTCCGATGGAGATGGAAGATACTATTCTGGAGCTAAGG
 GTAGCTTTAGGTATC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG200565 representing NM_014774
 Red=Cloning site Green=Tags(s)

MKKRKELNALIGLAGDSRRKKPKKGPSSHRLLRTEPPDSSESSEEEEEFGVVGNRSRFAKGDYLRCKK
 ICYPLCGFVILAAACVVACVGLVWMQVALKEDLDALKEKFRMTESNQKSSFQEIPLKNEELLKQKQLEKI
 ESGEMGLNKVWINITEMNKQISLLTSVNHKANKVSAADLISLPTTVEGLQKSVASIGNTLNSVHLAVE
 ALQKTVDHKKTMELLQSDMNQHLKETPGSNQIIPSPSATSELDNKTHSENKQDILYLHNSLEEVNSA
 LVGYQRQNDLKLEGMNETVSNLTQRVNLIESDVVAMSKVEKKANLSFSMMGDRSATLKRQSLDQVTNRDT
 TVKIQSIKKEDSSNSQVSKLREKLQLISALTNKPESNRPPETADEEQVESFTSKPSALPKFSQFLGDPVE
 KAAQLRPISLPGVSTEDLDLFRKTGQDVGKLTQYQEIWTSLSGSAMPEPESLRAFDSDGDGRYSFLELR
 VALGI

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_014774

ORF Size: 1485 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_014774.3](#)

RefSeq Size: 5766 bp

RefSeq ORF: 1488 bp

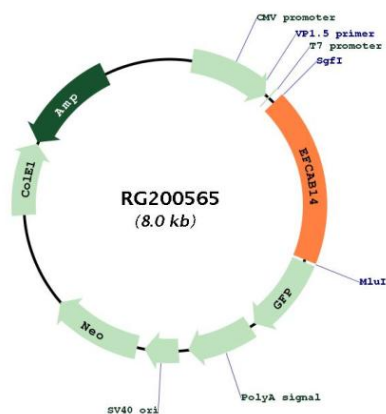
Locus ID: 9813

UniProt ID: O75071

Cytogenetics: 1p33

Protein Families: Transmembrane

Product images:



Circular map for RG200565