

Product datasheet for **RG205483**

C10orf63 (ENKUR) (NM_145010) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C10orf63 (ENKUR) (NM_145010) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C10orf63
Synonyms:	C10orf63; CFAP106
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205483 representing NM_145010 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATCCAACGTGCTCTTCTGAGTGCATTTATAACCTCATACCCAGTGACTTGAAGGAGCCTCCCCAGC
 CTCCTAGGTACATATCCATTTTTAAGGCAACTGTAAAAGATGACATGCAAAAAGCTAAAAGTGAATGAA
 AACTATGGGACCAGCAAAAGTTGAAGTACCTTCTCAAAGGATTCCTAAAGAAACATTCAAAGGAAAAA
 ACTCTACCAACCAAAAAAAAACTTTGATCGGAACGTGCCAAAAAGCCTGCTGTGCCATTGAAGACTGATC
 ATCCTGTCATGGGAATACAGAGTGGAAAAATTTATAAATACAAATGCAGCTGATATCATCATGGGAGT
 GGCTAAAAAGCCTAAACCAATTTATGTTGATAAAAGAACTGGAGACAAGCATGATCTTGACCTTCAGGA
 CTAGTTCCAAAGTACATCAATAAAAAGGATTATGGTGTACACCTGAATACATATGTAAGCGAAACGAGG
 AAATAAGAAAGCCCAAGAAGACTATGATCGTTATATCCAGGAAACCTTAAGAAAGCAGCTATGAAAG
 GCTCTCCGATGAAGAAAGGGAGGCAGTTTTGCAGGGGCTGAAAAAGAACTGGGAAGAGGTGCATAAGAA
 TTCCAGTCCCTCTCGGTCTTTATAGATTCTATACCAAAGAAGATCCGCAAGCAGAGGCTGGAAGAAGAA
 TGAAACAACTAGAACACGACATTGGCATAATTGAAAAGCACAAGATTATTTATATTGCCAATAACGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG205483 representing NM_145010
 Red=Cloning site Green=Tags(s)

MDPTCSSECIYNLIPSDLKEPPQPPRYISIFKATVKDDMQAKTAMKTMGPAKVEVPSPKDFLKKHSKEK
 TLPPKKNFDRNVPKKPAVPLKTDHPVMGIQSGKNFINTNAADIIMGVAKKPKPIYVDKRTGDKHDLEPSG
 LVPKYINKKDYGVTPYICKRNEEIKKAQEDYDRIYQENLKAAMKRLSDEEREAVLQGLKKNWEEVHKE
 FQSLSVFIDSIPKKIRKQRLSEEMKQLEHDIIGIEKHKIIYIANNA

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145010

ORF Size: 768 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_145010.4](#)

RefSeq Size: 3318 bp

RefSeq ORF: 771 bp

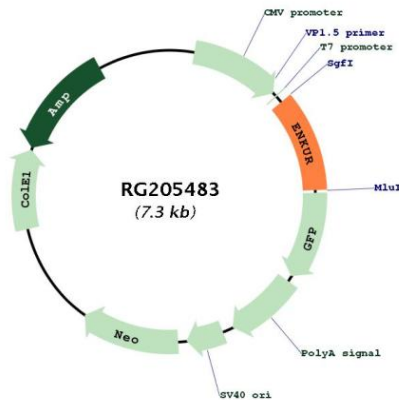
Locus ID: 219670

UniProt ID: [Q8TC29](#)

Cytogenetics: 10p12.1

Gene Summary: This gene encodes a protein that interacts with calmodulin and several transient receptor potential canonical cation channel proteins. The encoded protein may function as an adaptor to localize signal transduction machinery to calcium channels. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2012]

Product images:



Circular map for RG205483