

Product datasheet for **RG201885**

LOH3CR2A (NM_013343) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: LOH3CR2A
Synonyms: NAG7, ERR10, NAG-7, ERR-10
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG201885 representing NM_013343
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCCATCATTCTTTAAACACATTTTACATCTGGCACAATAACGTGCTACATACCCATCTTGATTTT
TCCTGCCCCATCTTTAAATCAGCCATTCTCAAGGGGTTCTTCTTAATCTGGCTGTTGTTGTGTTGAA
CTCCTGGTACCATCTTAGAACCTTAAGGAGACAAGCGAACCAAGCCAATAAGCTTTCATGATGCTGCTT
AGAGTTAAACAGAGCCAGGTACTAAGTTATGTCATGGAGACAGTGAACCTCTGGACTGCTTGCTA
CA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG201885 representing NM_013343
Red=Cloning site Green=Tags(s)

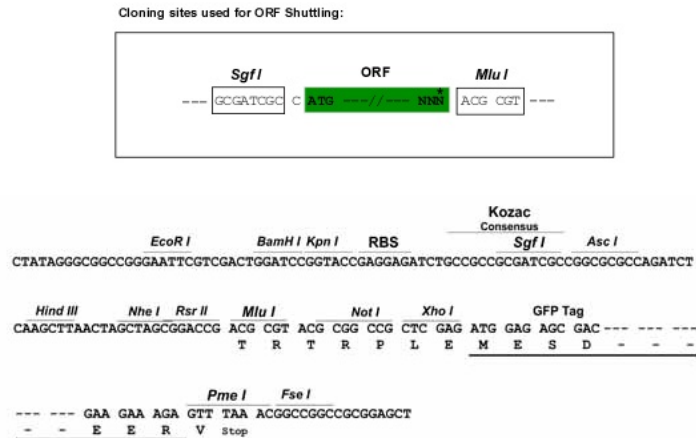
MAHSLNTFYIWHNNVLHHTLVFFLPHLLNQPF SRGSFLIWLLLCWNSWYHLRTLRRQANQANKLSMMLL
RVKQSPGKLC HGDSELTSGLLAT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_013343

ORF Size: 282 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.

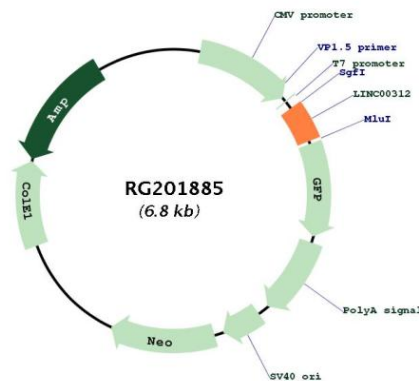
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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:	<u>NM_013343.1</u> , <u>NP_037475.1</u>
RefSeq Size:	1677 bp
RefSeq ORF:	284 bp
Locus ID:	29931
Cytogenetics:	3p25.3
Gene Summary:	This gene produces an intronless transcript that is thought to function as a tumor suppressor. This transcript is downregulated in nasopharyngeal carcinoma and is a negative regulator of estrogen receptor signaling. A common polymorphism in this transcript allows the production of a 94 aa open reading frame in some individuals, which may interact directly with estrogen receptor 1 (PMID:15474036). This open reading frame does not exist on the reference genome haplotype, which is hypothesized to function through a non-coding RNA product. [provided by RefSeq, Mar 2017]

Product images:



Circular map for RG201885