

Product datasheet for **RG227364**

UNC93A (NM_001143947) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UNC93A (NM_001143947) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	UNC93A
Synonyms:	dj366N23.1; dj366N23.2; Unc-93A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG227364 representing NM_001143947 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACAGAAGTCTAAGGAACGTCCTTGTGGTTTCCTTTGGGTTCTGCTTCTTTACAGCCTATGGAG
 GTCTGCAGAGCCTGCAGAGCAGCCTGTACAGCGAGGAGGCGCTGGGTGTACAGCGCTCAGCACCTCTA
 TGGAGGCATGCTCCTGTCCTCCATGTTCTCCACCGCTCCTCATCGAGAGGCTGGGCTGCAAGGGGACC
 ATCATCTCTCCATGTGTGGCTACGTGGCCTTCTCCGTGGCAACTTCTTCGCCAGCTGGTACACCTTTGA
 TCCCCACCTCCATACTGCTGGGACTCGGGGCCGCCCGCTGTGGTCTGCACAGTGCACATACCTCACGAT
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 TTCTTCTCATATTCCAGTCATCCGGTGTGTGGGGCAACTTGATCTCATCGCTGGTATTTGGCCAGACTC
 CCAGCCAAGGGAGTGGTGTCTGGCTGTCTGATGATAGCTGCGTTCTCCAACCCATACGAGATGTTCA
 GCGGGAAAGTGAAGGAGAGAAGAAATCAGTACCTTTCTGGTCCACTTTACTGTGCACTTTCAAGCTATAT
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 GCGAATACACAAGGTCTATGTCACCTGCACCTGGGCATCCAGTTCGTGGCTACGTGATGATCTGCTT
 CTCGGCCACTGACGCGCTGTGCTCCGTGTTGTATGGAAGGTCTCGCAGTACACGGGCAGGGCTGTGCTG
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 CTGGGCTTCGTATTGCTTCGGGTACAGCATGTTTTGTGCGTGCACGTCAAGCTCTACATTCTGCTGG
 GGTCTCTGAGCCTGACCATGGTGGCGTATGGGCTTGTGGAGTGGTGGAGTCCAAGAACCCGATCAGACC
 CCACGCTCCAGGACAGGTCAACCAGGCAGAGGATGAAGAAATACAAACAAAAATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG227364 representing NM_001143947
 Red=Cloning site Green=Tags(s)

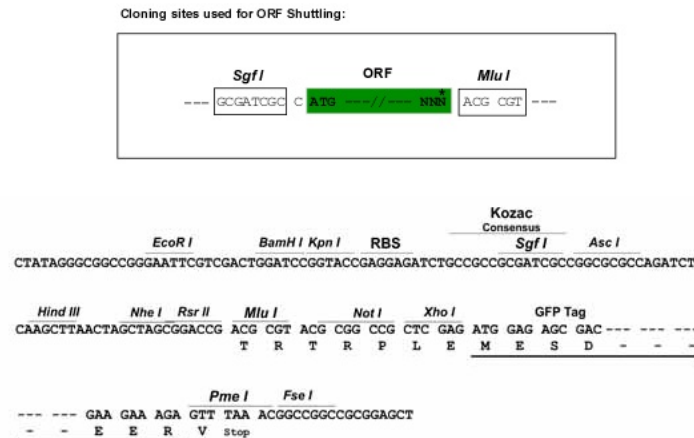
MDRSLRNVLVVSFGFLLLFAYGGLQSLQSSLYSEEGLVLTALSTLYGGMLLSSMFLPPLLIERLGCKGT
 IILSMCGYVAFSVGNFFASWYTLIPTSILLGLGAAPLWSAQCTYLITGNTHAEKAGKRGKDMVNQYFGI
 FFLIFQSSGVWGNLISSLVFGQTPSQSGSVLAVLMIAAFLQPIRDVQRESEGEKKSVPFWSTLLSTFKLY
 RDKRLCLLILLPLYSGLQQGFLSSEYTRSYVTCTLGIQFVGVMICFSATDALCSVLGKVSQYTGRAVL
 YVLGAVTHVSCMIALLWRPRADHLAVFFVFSGLWGVADAVWQTQNNALYGVLFKESKEAAFANYRLWEA
 LGFVIAFGYSMFLCVHVLYILLGVLSTMVAYGLVECVESKNPIRPHAPGVNQAEDEEIQTKM

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001143947

ORF Size: 1245 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.

RefSeq: [NM_001143947.2](#)

RefSeq Size: 2006 bp

RefSeq ORF: 1248 bp

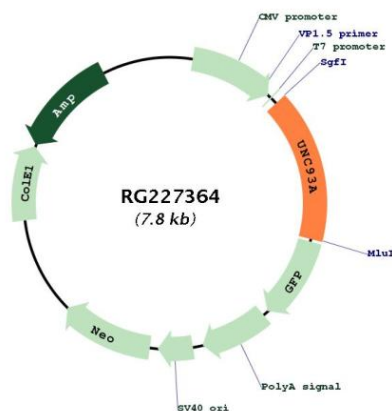
Locus ID: 54346

UniProt ID: [Q86WB7](#)

Cytogenetics: 6q27

Protein Families: Transmembrane

Product images:



Circular map for RG227364