

Product datasheet for **RG217002**

UNC93A (NM_018974) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
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)



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ORF Nucleotide Sequence: >RG217002 representing NM_018974
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGACAGAAGTCTAAGGAACGTCCTTGTTGGTTTCCTTTGGGTTCTGCTTCTTTACAGCCTATGGAG
 GTCTGCAGAGCCTGCAGAGCAGCCTGTACAGCGAGGAGGGCCTGGGTGTACAGCGCTCAGCACCTCTA
 TGGAGGCATGCTCCTGTCTCCATGTTCTCTCCACCGCTCCTCATCGAGAGGCTGGGCTGCAAGGGGACC
 ATCATCTCTCCATGTGTGGCTACGTGGCCTTCTCCGTGGGCAACTTCTTCGCCAGCTGGTACACCTTGA
 TCCCCACCTCCATACTGCTGGGACTCGGGCGCCCGCTGTGGTCTGCACAGTGCACATACCTCACGAT
 CACGGGAAACACACATGCAGAGAAAGCGGGAAAGCGTGGCAAGACATGGTGAACCATATTTTGGCATC
 TTCTTCTCATATTCCAGTCATCCGGTGTGTGGGCAACTTGATCTCATCGCTGGTATTTGGCCAGACTC
 CCAGCCAAGAGACCCTCCAGAAGAGCAGCTCACGTCTGTGGGCGCAGTACTGCCTGATGGCCACCAC
 AACCACCAACAGCAGCCAGAGGCCCTCCAGCAGCTGGTCTACACCCTCCTGGGCATCTACACTGGGAGT
 GGTGTCTGGCTGTCTGATGATAGCTGCGTTCTCCAACCCATACGAGATGTTACGCGGGAAGTGAAG
 GAGAGAAGAAATCAGTACCTTTCTGGTCCACTTTACTGTGCACTTTCAAGCTATATAGAGATAAACGTCT
 GTGCCCTCTTAATTCTGCTGCCGCTGTACAGTGGATTGCAGCAAGGATTCTCTCCAGCGAATACACAAGG
 TCCTATGTCACCTGCACCCTGGGCATCCAGTTCGTGGCTACGTGATGATCTGCTTCTCGGCCACTGACG
 CGCTGTGCTCCGTGTTGTATGGAAAGGTCTCGCAGTACACGGGCAGGGCTGTGCTGTACGTGCTGGGCGC
 GGTGACCCACGTGTCTGCATGATTGCCCTACTGCTGTGGAGACCTCGTGTGACCATCTGGCAGTGTTT
 TTCGTATTCTCGGCCGTGGGGCGTGGCAGATGCCGTCTGGCAGACACAAAACATGCTCTCTACGGCG
 TTCTGTTTGAGAAGAGCAAGGAAGTGCCTTCGCCAATTACCGCCTGTGGGAGGCCCTGGGCTTCGTCAT
 TGCCTTCGGGTACAGCATGTTTTTGTGCGTGCACGTCAAGCTCTACATTCTGCTGGGGTCTGAGCCTG
 ACCATGGTGGCGTATGGGCTTGTGGAGTGCCTGGAGTCCAAGAACCCGATCAGACCCACGCTCCAGGAC
 AGGTCAACCAGGCAGAGGATGAAGAAATACAAACAAAATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG217002 representing NM_018974
 Red=Cloning site Green=Tags(s)

MDRSLRNVLVVSFGFLLLFTAYGGLQSLQSSLYSEGLGVTALSTLYGGMLLSSMFLPPLLIERLGCKGT
 IILSMCGYVAFSVGNFFASWYTLIPTSIILLGLGAAPLWSAQCTYLITGNTHAEKAGKRGKDMVNQYFGI
 FFLIFQSSGVWGNLISSLVFGQTPSQETLPEEQLTSCGASDCLMATTTTNSTQRPSQQLVYTLLGIYTG
 GVLAVLMIAAFLQPIRDVQRESEGEKKSVPFWSTLLSTFKLYRDKRLCLLILLPLYSGLQQGFLSSEYTR
 SYVTCTLGIQFVGVMICFSATDALCSVLVGKVSQYTGRAVLYVLGAVTHVSCMIALLLWRPRADHLAVF
 FVFSGLWGVADAVWQTQNNALYGVLFESKEAAFANYRLWEALGFVIAFGYSMFLCVHVKLYILLGVLSL
 TMVAYGLVECVESKNPIRPHAPGQVNQAEDDEEIQTKM

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018974

ORF Size: 1371 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:

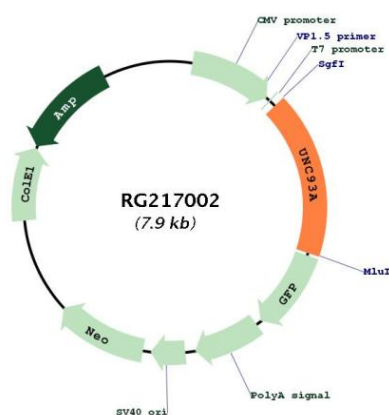
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_018974.4](#)

RefSeq Size:	2011 bp
RefSeq ORF:	1374 bp
Locus ID:	54346
UniProt ID:	Q86WB7
Cytogenetics:	6q27
Protein Families:	Transmembrane

Product images:



Circular map for RG217002