

Product datasheet for **RG206953**

UNC45A (NM_001039675) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UNC45A (NM_001039675) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	UNC45A
Synonyms:	GC-UNC45; GCUNC-45; GCUNC45; IRO039700; OOHE; SMAP-1; SMAP1; UNC-45A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG206953 representing NM_001039675
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

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 GCCTGCTGGACAAAGCAGTGGAATATGGGCTTATCCAACCAACCAAGATGGAGAG

ACGCGTACGCGGCGGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG206953 representing NM_001039675
Red=Cloning site Green=Tags(s)

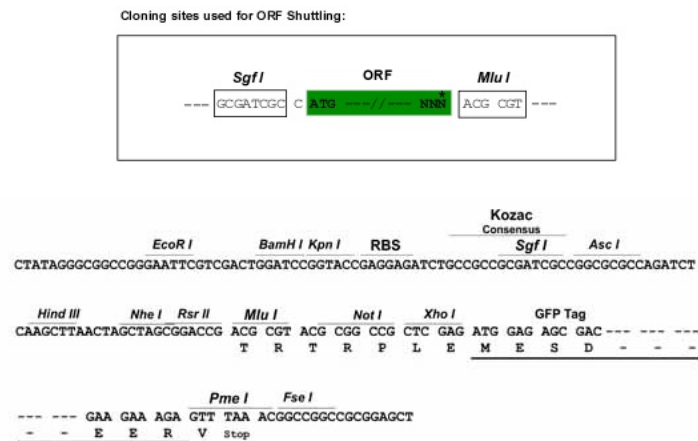
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IPQVTTWHLEILQALLSSNQELQHRGAVVVLNMVEASREIASTLMESEMMEILSVLAKGDHSPVTRAAA
ACLDKAVEYGLIQPNQDGE

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001039675

ORF Size:	2787 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_001039675.1 , NP_001034764.1
RefSeq Size:	4035 bp
RefSeq ORF:	2790 bp
Locus ID:	55898
UniProt ID:	Q9H3U1
Cytogenetics:	15q26.1
Gene Summary:	This gene encodes a regulatory component of the progesterone receptor/heat shock protein 90 chaperoning complex, which functions in the assembly and folding of the progesterone receptor. The encoded protein is thought to be essential for normal cell proliferation, and for the accumulation of myosin during development of muscle cells. [provided by RefSeq, Sep 2018]

