

Product datasheet for **RG205276**

UNC50 (NM_014044) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	UNC50
Synonyms:	GMHI; HSD23; PDLs22; UNCL; URP
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG205276 representing NM_014044
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTACCGAGTACTTCAGTGAATTCCTTAGTGCAGGGGAACGGAGTCTTGAATTCAGGGATGCGGCAA
GACACACAGCCGGAGCGAAACGCTACAAATATCTGAGAAGGCTTTCCGCTTTCGGCAATGGACTTTGA
ATTTGCTGCCTGGCAGATGCTCTACCTGTCACATCCCCACAGAGAGTTACAGAAATTTTCATTATCGA
AAACAGACGAAGGACCAAGTGGGCCAGAGATGACCCTGCTTTCTGGTCTGTAAAGTATCTGGCTCTGTG
TGTCCTACTATAGGATTTGGCTTTGTGCTGGACATGGGATTCTTTGAGACAATAAAGCTTCTCCTTTGGGT
TGTAATCATAGATTGTGTAGGCGTTGGTCTTCTGATAGCAACTTTAATGTGGTTCATCTCTAACAAGTAT
TTAGTGAAACGACAGAGCAGAGACTATGATGTGGAATGGGGCTATGCTTTTGATGTGCATCTCAATGCTT
TTTATCCACTCCTGGTCATTTTGCATTTTATCCAGCTTTTTTTCATCAACCATGTTATCCTGACAGACAC
ATTTATTGGATATTTAGTTGGAATACCTTATGTTGGTTGCAGTTGGCTATTATATCTATGTAACCTTC
CTGGGATACAGTGCATTGCCATTTTGAATAACAGTAATCTTCTGTATCCATTTGCACCTCTGATTC
TGCTCTACGGGCTTTCCTGGCACTGGGATGGAACCTCACCCATACTCTCTGTTCTTTCTATAAGTACAG
AGTGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



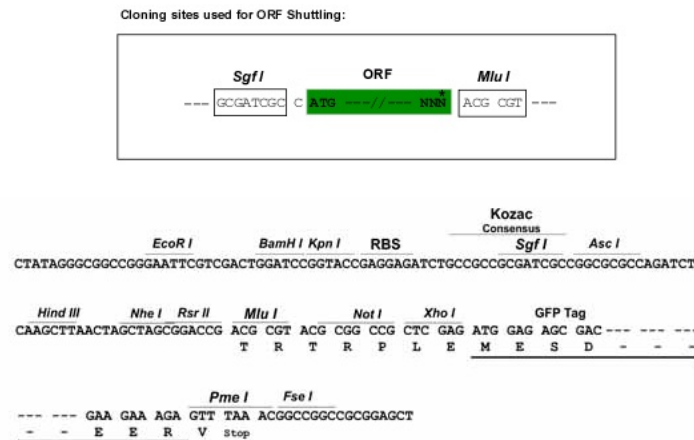
Protein Sequence: >RG205276 representing NM_014044
 Red=Cloning site Green=Tags(s)

MLPSTSVNSLVQNGVLSNRDAARHTAGAKRYKYLRLFRFRQMDFEFAAWQMLYLTSPQRVYRNHRYR
 KQTKDQWARDPAFLVLLSIWLCVSTIGFGFVLDMGFFETIKLLLWVVLIDCVGVGLLIATLMWFISNKY
 LVKRQSRDYDVEWGYAFDVHLNAFYPLLVLHFIQLFFINHVILTDTFIGYLVGNTLWLVAVGYYIYVTF
 LGYSALPFLKNTVILLYPFAPLILLYGLSLALGWNFTHTLCSFYKYRVK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014044

ORF Size: 777 bp

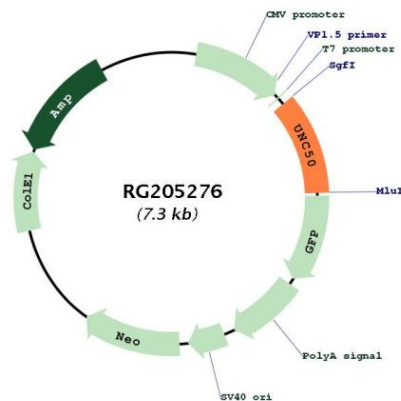
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_014044.7</u>
RefSeq Size:	2184 bp
RefSeq ORF:	780 bp
Locus ID:	25972
UniProt ID:	<u>Q53HI1</u>
Cytogenetics:	2q11.2
Domains:	UNC-50
Protein Families:	Transmembrane
Gene Summary:	May be involved in cell surface expression of neuronal nicotinic receptors. Binds RNA (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG205276