

Product datasheet for **SC107305**

UNC50 (NM_014044) Human Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | UNC50 (NM_014044) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | UNC50 |
| Synonyms: | GMH1; HSD23; PDLs22; UNCL; URP |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >OriGene ORF within SC107305 sequence for NM_014044 edited (data generated by NextGen Sequencing) |

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ATGTTACCGAGTACTTCAGTGAATTCCTTAGTGCAGGGGAACGGAGTCTTGAATCCAGG
GATGCGGCAAGACACACAGCCGGAGCGAAACGCTACAAATATCTGAGAAGGCTTTCCGC
TTTCGGCAAATGGACTTTGAATTTGCTGCCTGGCAGATGCTCTACCTGTTACATCCCA
CAGAGAGTTTACAGAAATTTTCATTATCGAAAACAGACGAAGGACCAGTGGCCAGAGAT
GACCCTGCTTTCTTGGTCTGTTAAGTATCTGGCTCTGTGTGCCACTATAGGATTTGGC
TTTGTGCTGGACATGGGATTCTTTGAGACAATAAAGCTTCTCCTTTGGGTTGTA CTATA
GATTGTGTAGGCGTTGGTCTTCTGATAGCACTTTAATGTGGTTCATCTAACAAGTAT
TTAGTGAACGACAGAGCAGAGACTATGATGTGGAATGGGGCTATGCTTTTGATGTGCAT
CTCAATGCTTTTTATCCACTCCTGGTCATTTTGCATTTTATCCAGCTTTTTTTCATCAAC
CATGTTATCCTGACAGACACATTTATTGGATATTTAGTTGGAAATACCTTATGGTTGGTT
GCAGTTGGCTATTATATCTATGTAACCTTCTGGGATACAGTGCATTGCCATTTTGGAAA
AATACAGTAATTCTTCTGTATCCATTTGCACCTCTGATTCTGCTACGGGCTTTCCCTG
GCACTGGGATGGAACCTCACCCATACTCTCTGTTCTTTCTATAAGTACAGAGTGAATAA
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Clone variation with respect to NM_014044.5



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014044 unedited
 TAGATTTTGTAAATACGACTTCACTATAGGGCGGCCGGAATTCGCACGAGGCGCGCCCA
 GGGCCGGCTCCGTTGAGGGAAGGGAAGCCCGCCGGTGGCGGCTGGGGTCCGGTCTGGG
 AGGAGGTGGTGGGCTGGTTCCGGACGTGGGTCCGAGGCTGTAGCAGGACTCCAGGAAGATGT
 TACCGAGTACTTCAGTGAATTCCTTAGTGTCTTGGGAACGGAGTCTTGAATTCAGGGAT
 CGGCAAGACACACAGCCGGAGCGAAACGCTACAAATATCTGAGAAGGCTTTTCCGCTTT
 CGGCAATGGACTTTGAATTTGCTGCCTGGCAGATGCTCTACCTGTTCCATCCCCACAG
 AGAGTTTACAGAAATTTTCATTATCGAAAACAGACGAAGGACCAGTGGGCCAGAGATGAC
 CCTGCTTTCTTGGTCTGTTAAGTATCTGGCTCTGTGTGCCACTATAGATTTGGCTTT
 GTGCTGGACATGGGATTCTTTGAGACAATAAAGCTTCTCCTTTGGGTTGTAATCATAGAT
 TGTGTAGGCGTTGGTCTTCTGATAGCAACTCTAATGTGGCTCATCTAACAAGTATTTA
 GTGAAACGACAGAGCATAGACTATGATGTGGAATGGGGCTATGCTTTTGTATGTCATCTC
 AATGCTTTTTATCCACTCCTGGCCATTTTGCATTTTATCCAGCTTTTTTTCATCAACCA
 TGTATCCTGACAGACCATTATTGGATATTTAGTTGAAATACCTTATGGTTGGTTGCA
 CCTGCCTATTATCTATGTAACCTCCTGGGATACAGNGCATTGTCATTTCTTGAAAAA
 CCGCATTTTTCTGTATCCTTTGCACCTTTGATCTGTTCTACCGCTTTTCTGGCACTGG
 ATGAACCTCACCTACTCTTGTCTTTTATTAGCCACACGGGAATACAAGGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014044 unedited
 GCTTTACCTATGGACCGCGCCCGGCATCCTAGCGTCGAGTTTTTTTTTTTTTTTTTTA
 AGAATCTACAAAATGATAGCTTATTTACAAGTTTTACACGAAATGATCACTTCACAATA
 CTGTTGACACAGTTATGATTGAATNTTCTCTCACTTTTTATTTCACTCTGTACTTATAG
 AAAGACAAGAGAGTCTGGGTGAAGTTCCATTCCAGGGCCAGGGAACCGCCGCACAGCACA
 ATCACAGGTGAAATGGATACACAAGAATTAAGTATTTTTCAAAAATGGCCACTGCCCT
 CGCATCCAGGAAAGGTACCTACCTACCTAGCCGCCCCGCCCATGATATCGCCTCCCCA
 ACCAAACCCCTCCACGTCCTCGCCACCTCCACTGCCTCATGTCCAACACCGCCACCT
 CCCCCCGCCCCCTCTCTCCCTCTCATCTGCACTCCCATCCCCCTCTTCCCCCA
 TTTTACCCTCCGTTCCCCCGTTCTCCCTCCTCCCTATCCATCTCTCGCCTCTCCCC
 TCGCCTCCGCTTTCTCCTTTTTTTCATCCCCCTTCATCGATCCTCCATCCTCACCCT
 ACTTGTCTTCTCCGCTCGTCCCTTTTTTTTTTCCGCTCCTCCGCTCCCCCCCCGTC
 CCCTTACGTTCCCTATACTCATCGCCTCGTCCCTCCCTACCGCGCCCTCACGCTCC
 CTCTCCGCCCCACCCCGGCTTCTCCCGGCTCCGATCCTTCTCCTTGCCTCGC
 ACCTTGCCTCCCTCCCTTGCACCGGTTTTGACCCTGCCTTTTCCCTTCCGCACTC
 TTTCACTCCGCCACCCTCCGTCCTTCCCTTCCCTCCCGCCCC

Restriction Sites:

NotI-NotI

ACCN:

NM_014044

Insert Size:

1020 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_014044.2](#), [NP_054763.2](#)

RefSeq Size: 1288 bp

RefSeq ORF: 1167 bp

Locus ID: 25972

UniProt ID: [Q53HI1](#)

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]