

Product datasheet for **SC107412**

Protein cornichon homolog 2 (CNIH2) (NM_182553) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Protein cornichon homolog 2 (CNIH2) (NM_182553) Human Untagged Clone
Tag:	Tag Free
Symbol:	Protein cornichon homolog 2
Synonyms:	CNIH-2; Cnil
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC107412 sequence for NM_182553 edited (data generated by NextGen Sequencing)

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ATGGCGTTCACCTTCGCCGCGTTCTGCTACATGCTCACCTGGTCTGTGCGCCTCCCTC
ATCTTCTTTGTCATCTGGCACATCATAGCCTTTGATGAGCTGCGGACCGACTTCAAGAAC
CCCATCGACCAGGGGAACCCTGCGCGGGCACGCGAGCGTTTAAAAAACATCGAACGCATC
TGCTGCCCTCTGAGGAAGCTGGTGGTCCCAGAATACTCCATCCACGGCCTCTTCTGTCTG
ATGTTTCTGTGTGCAGCAGAGTGGGTGACCCTGGGCCTCAACATCCCCCTCCTCTTCTAC
CACCTCTGGAGGTACTTCCACCGTCCTGCAGATGGCTCTGAGGTCATGTATGATGCGGTC
TCCATCATGAATGCTGACATTCTCAACTACTGCCAGAAGGAGTCTGGTGCAAACCTGCC
TTCTACCTGCTCCTTCTTCTATTACCTGTACAGTATGGTTTATACGTTGGTGAGTTTC
TAA
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Clone variation with respect to NM_182553.1



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_182553 unedited TGGATTTGTCTACTTTACTATAGGCGGCACGCGATTTCGGCACGAGCCGCGGGCGAGGGAT CGCAGGATGAGCGATCGGGGCCCGGGCAGCCGGCAGCGGACGCGCCCCCGAGCCACCG GCCCCGCGCCCCGCGCCCCACGGCCCCGCGGTCCCGTCCCGGCCGCATACCCACGTC CCCCGAGCCCCACGGCCATGCCCGCCGGCCCTAAGCGCGGGCCGGGGGGCGTCCCCTT GCGCCCCGGCCCCGCGCTGGCGCCCCCGGGCCCGCCCGCGCGGGGGCCATGGCGTT CACCTTCGCCCGTCTGCTACATGCTCACCTGGTGTGTGCGCCTCCCTCATCTTCTT TGTCACTGGCACATCATAGCCTTTGATGAGCTGCGGACCGACTTCAAGAACCCCATCGA CCAGGGGAACCTGCGCGGGCACGCGAGCGTTTAAAAACATCGAACGCATCTGTGCGCT CCTGAGGAAGCTGGTGGTCCCAGAATACTCCATCCACGGCCTCTTCTGTCTGATGTTTCT GTGTGCAGCAGAGTGGGTGACCCTGGGCCTCAACATCCCCCTCTTCTACCACCTCTG GAGGTACTTCCACCGTCTGCAGATGGCTCTGATGTCATGTATGATGCGGTCTCCATCAT GAATGCTGACATTCTCACTACTGCCAGAAAGAGTCTGGTGAAACTTGCCTTCTACCT GCTCTCTTCTTCTATTACCTGTACAGTATGGTTTATACGTTGGTGAGTTTCTAAGGGGA AGCCGCCCTGGAGCGAGCCATATCGACCGTAGCCGTGCACCCACCTGCCCTTGGCGAT AGCCTCACCTGGAGAGGAAGGGGCCTGTGCCCATCCTTCAATCTCCATGGTGTGGGGG GACCCCCCCCCCTTCAATCCCCCTGGAT
Restriction Sites:	NotI-NotI
ACCN:	NM_182553
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:	<ol style="list-style-type: none"> 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:	<u>NM_182553.1</u> , <u>NP_872359.1</u>
RefSeq Size:	1399 bp
RefSeq ORF:	483 bp
Locus ID:	254263
UniProt ID:	<u>Q6PI25</u>
Cytogenetics:	11q13.2
Protein Families:	Transmembrane

Gene Summary:

The protein encoded by this gene is an auxiliary subunit of the ionotropic glutamate receptor of the AMPA subtype. AMPA receptors mediate fast synaptic neurotransmission in the central nervous system. This protein has been reported to interact with the Type I AMPA receptor regulatory protein isoform gamma-8 to control assembly of hippocampal AMPA receptor complexes, thereby modulating receptor gating and pharmacology. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012]
Transcript Variant: This variant (1) encodes the functional protein.