

Product datasheet for RG215357

OriGene Technologies, Inc.

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Protein cornichon homolog 2 (CNIH2) (NM 182553) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Protein cornichon homolog 2 (CNIH2) (NM_182553) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: Protein cornichon homolog 2

Synonyms: CNIH-2; Cnil
Mammalian Cell Neomycin

Selection:

Vector:

pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG215357 representing NM_182553

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG215357 representing NM_182553

Red=Cloning site Green=Tags(s)

MAFTFAAFCYMLTLVLCASLIFFVIWHIIAFDELRTDFKNPIDQGNPARARERLKNIERICCLLRKLVVP EYSIHGLFCLMFLCAAEWVTLGLNIPLLFYHLWRYFHRPADGSEVMYDAVSIMNADILNYCQKESWCKLA

FYLLSFFYYLYSMVYTLVSF

TRTRPLE - GFP Tag - V

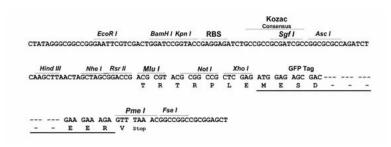
Restriction Sites: Sgfl-Mlul





Cloning Scheme:





ACCN: NM_182553

ORF Size: 480 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.

RefSeq: <u>NM 182553.3</u>

 RefSeq Size:
 1399 bp

 RefSeq ORF:
 483 bp

 Locus ID:
 254263

 UniProt ID:
 Q6PI25



Cytogenetics: 11q13.2

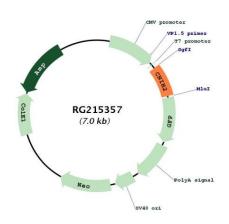
Protein Families: Transmembrane

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]

Product images:



Circular map for RG215357