

Product datasheet for **RG221277**

LCHN (KIAA1147) (NM_001080392) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LCHN (KIAA1147) (NM_001080392) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LCHN
Synonyms:	KIAA1147; LCHN; PRO2561
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG221277 representing NM_001080392
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGGAGCAGGGAGACGCGGCCGCTGCTGCGCTGGGCCAGGGCCCCGCCGCTCCCTGCCGAGG
 CCCCGCAGCCGCAGGCGGGAGGCTGGGGCCGGGCGCGCGGGGCGCCCGGCCGCGCGGAGCCGCC
 CCGGAGGCGGGAGCCCGAGGAGCCGCGCCGCCCGGAGGTGCTGCTGCAGCCCGGCGCCTGGAGCTGGG
 GACGTGGAGGAGGACCAGGTGGTGGCCGTGTTCTGTTGACCTTCGACCCCGCTCGGAAACATGGTAG
 AATGGTGTACCTCAAGATATTGACCTTGAAGGTGTTGAGTTCAAGTCTATGGCCAGTGGGTCCATAA
 AATCCAATCTGATTTTCTATTTCCGAAAGGGGCCCTTCTTCGGCTGGCTGCTTTGCCAACATGCC
 GTGGAGAGCGAGCTGGAACGTGGCGCGGATGAAGTCTGTGGGCATCCTCTCCCTCTACACTGC
 TTTACCGTACATGCACTTCTGGAGAACCAGGTCGGCACCAGTTGGAGATGCCAGGACATTACTCTCA
 TCTGGCTGCCTTCTATGAGGACAAAAGGGGTGCTCCATGCTGGTCCCGCAGAGGCAGCAGCCTGCC
 CCTGTCTACTGGCTGCCTTCCATCCACCGATACATGTACCTGAGATGAAGATCACACCCAGCTGGCT
 GCATGTCTCAGTTTATAAAGTTCTTTGGAGAACAGATCCTCATCCTCTGGAAATTTGCCCTACTTCGAAA
 GCGCATTTTGATATTTTCTCCCCACCTGTGGCGTGGTGTGCTATAGAGTGTACTGCTGCTGCTTGTG
 GCCAACGTTTCACTGCCTGGCATCGGGGACCACTTCTGAGTCCAAACCTTTCTTCTACGTGAACGTGG
 CTGACATCGAGAGCCTGGAGGTAGAGGTGTCCTATGTGGCCTGCACCACAGAGAAGATATTCGAGGAGAA
 GCGGGAGCTGTATGACGTCTACGTGGATAACCAGAATGTGAAGACACACCAGCACCTGCAGCCGCTG
 CTGAAGATCAACAGTGTGACAGGGAGAAGTACCGCCGGCTCAACGAGCAGAGGCAGATGCTGTTGTACT
 CCCAGGAAGTAGAAGAAGACTACAACCTTGTGAAGAGGACCTTCTGCTGCTGTTTTTCTAGAACAAA
 CAACCGGATATTTAGACTTTGTTGGAGGTGCTGCGCAGTCAAGACAAAACCTCTGACAGCAGAGCATGCC
 CGGGCATGGCCCTAGACCCCAAGGAGACCGGAGCTTCTCCTGGACCTGCTGGAGGCCTATGGCATTG
 ATGTCATGCTGTTATCGACAACCCCTGTTGCCCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG221277 representing NM_001080392
 Red=Cloning site Green=Tags(s)

MVEQGDAAPLLRWAEQPAVSLPQAPQPQAGGWGRGGGGARPAEPPRRREPEEPAPEVLLQPGRLELG
 DVEEDQVVAVFVVTDFPRSGNMVEWCLPQDIDLEGVEFKSMASGSHKIQSDFIYFRKGPFFGLACFANMP
 VESELERGARMKSVGILSPSYTLLYRYMHFLENQVRHQLEMPGHYSHLAAFYEDKKGVLHAGPGRGSSLP
 PVYWLPSIHRYMYPEMKITHPAGCMSQFIKFFGEQILILWKFALLRKRIIFSPPPVGVVCYRVYCCCL
 ANVSLPGIGGTIPESKPFYFVNVADIESLEVEVSYVACTTEKIFEEKRELYDVYVDNQNVKTHDHLQPL
 LKINSADREKYRRLNEQRQMLLYSQEVEEDYNPCEEDLVFLFLEQNNRIFQTLLEVSASQDKTLTAEHA
 RGMGLDPQGRSFLDLLLEAYGIDVMLVIDNPCCP

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001080392

ORF Size: 1365 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: [NM_001080392.2](#)

RefSeq Size: 7296 bp

RefSeq ORF: 1368 bp

Locus ID: 57189

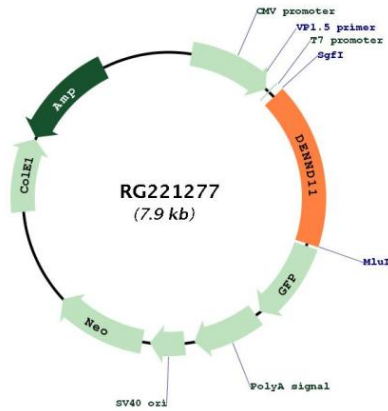
UniProt ID: [A4D1U4](#)

Cytogenetics: 7q34

Gene Summary:

May play a role in neuritogenesis, as well as in neuronal recovery and/or restructuring in the hippocampus following transient cerebral ischemia.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG221277