

## Product datasheet for **RG207825**

### LNX2 (NM\_153371) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LNX2 (NM_153371) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LNX2
Synonyms:	PDZRN1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG207825 representing NM\_153371  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGGAACAACAAGTGATGAGATGGTGTCTGTGGAACAGACCTCCTCCTTCTCTAAACCCCTGTGTT  
 TTGAATGTGGCCAACAGCACTGGACAAGAGAAAACCATTTGTACAATTACCAGAATGAAGTGGATGATGA  
 CCTAGTCTGCCATATTTGCCTTCAACCTCTGCTGCAGCCACTAGACACACCCTGTGGACATACATTCTGC  
 TACAAGTGCCTCAGAACTTTTTACAAGAGAAAGATTTCTGTCCGTTGGACCGGAAAAGACTTCATTTTA  
 AGTTGTGCAAGAAGTCTAGTATTCTAGTTCATAAACTCCTAGACAAATTATTAGTTTTATGTCCATTTTC  
 TTCAGTGTGCAAGATGTAATGCAACGTTGTGATCTGGAGGCACATCTCAAAAACAGATGTCCTGGAGCT  
 TCTCATCGGAGAGTTGCCCTGGAGAGAAGGAAAAGTGTAGAACTCAAGCAGAGATTGAGAATGAAAATG  
 GGCCCACTCTACTAGATCCTGCAGGTACCTTATCTCCAGAAGCAGACTGTTTGGGGACAGGCGCAGTGCC  
 TGTGGAGCGGCACTTGACATCAGCGTCTCTTTCCACATGGAGTGAGGAGCCTGGCCTTGACAACCCCTGCC  
 TTTGAGGAGAGCGCTGGAGCTGACACCACACAACGCCACTTAGTTTACCAGAAGGAGAAATCACCACGA  
 TTGAAATTCATCGGTCCAATCCTTACATTCAGTTAGGAATCAGCATTGTGGGTGGCAACGAAACACCTTT  
 GATTAACATTGTCATCCAGGAGGTCTATCGGGATGGGGTCATTGCCAGAGACGGGAGACTTCTTGCTGGA  
 GACCAGATTCTTCAGGTCAACAATAACAATATCAGCAATGTGTCCATAACTATGCCCGAGCTGTCTTT  
 CCCAGCCCTGCAACACTGCATCTTACTGTGCTTCGAGAGAGGGCGCTTTGGCAACCGAGCACACAACCA  
 TTCTGATAGTAACTCTCCACGAGAAGAGATTTTCCAAGTGGCTTTCATAAACGGGACTCTGGTGAACAG  
 CTTGGCATTAAATTGGTGCAGGACAGATGAGCCAGGGGTTTTATTCTTGACCTGTTGGAAGGGGGGT  
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 CCAGGGAACCCAGCCTGGTAACACCATTAGAGAAGCAGGAAATCATAGCAGCAGCAGCCAGCACCACA  
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 AGTGGTGAGCTGCCATCTTTGTGACCAGTGTGCCACCCATGGCTGCCTTGACGAGATGGCAGAATAA  
 AGAGAGGTGATGTGTGCTAAATATCAACGGCATTGATTTGACCAATTTAAGTACAGTGAGGCAGTTGC  
 AATGCTGAAAGCCAGTGCCGCTCCCTGCTGTTGCCCTTAAAGCACTTGAGTCCAGATTGTTGAGGAG  
 GCGACTCAGAACCGGAGGAGCAGCCGAGTACTTTCAGCGAAAAATGAGTATGATGCCAGTTGGTCCCAT  
 CATGGGTGATGTGGCTTGGGCTTCCAGCACACTTCATAGCTGCCACGATATAGTTTTACGAAGAAGTTA  
 CTTGGGAAGTTGGGGCTTTAGTATCGTTGGTGGATATGAAGAGAACCACCAATCAGCCTTTTTTCATT  
 AAAACTATTGTCTTGGGAACCTGCTTATTATGATGGAAGATTAAGTGTGGTGCATGATTGTGGCCG  
 TAAATGGGCTGTCAACCGTGGGCATGAGCCACTCTGCACTAGTTCCCATGTTGAAGGAGCAGAGGAACAA  
 AGTCACTCTGACCGTTATTTGTTGGCCTGGCAGCCTTGTA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG207825 representing NM\_153371  
Red=Cloning site Green=Tags(s)

```

MGTTSDEMVSVEQTSSSSLNPLCFECGQHQHTRENHLYNYQNEVDDDLVCHICLQPLLQPLDTPCGHTFC
YKCLRNFLQEKDFCPLDRKRLHFKLCKKSSILVHKLLDKLLVLCPFSSVCKDVMQRCDLEAHLKNRCPGA
SHRRVALERRKTSRTQAEIENENGPTLLDPAGTLSPEADCLGTGAVPVERHLTSASLSTWSEEPGLDNPA
FEESAGADTTQQPLSLPEGEITTTIEIHRSNPYIQLGISIVGGNETPLINIVIQEVYRDGVIARDGRLLAG
DQILQVNNYNISNVSHNYARAVLSQPCNTLHLTVLRERRFGNRAHNHSDSNSPREEIFQVALHKRDSGEQ
LGIKLVRRTDEPGVIFLDLLEGLLAAQDGRLLSSNDRVLAINGHDLKYGTPELAAQIIQASGERVNLTIAR
PGKPQPGNTIREAGNHSSSSQHHTPPPYSRPSSHKDLTQCVTCQEKHITVKKEPHESLGMTVAGGRGSK
SGELPIFVTSVPPHGCLARDGRIKRGDVLNNGIDLNLNLSHSEAVAMLKASAASPAVALKALEVQIVEE
ATQNAEEQPSTFSENEYDASWSPSWMWLGLPSTLHSDHIVLRRSYLGSWGFIVGGYEENHTNQPFPI
KTIVLGTPAYYDGRLLKCGDMIVAVNGLSTVGMESHSLVPLMKEQRNKVTLTVICWPGSLV
    
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_153371

**ORF Size:** 2070 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\\_153371.4](#)

**RefSeq Size:** 4718 bp

**RefSeq ORF:** 2073 bp

**Locus ID:** 222484

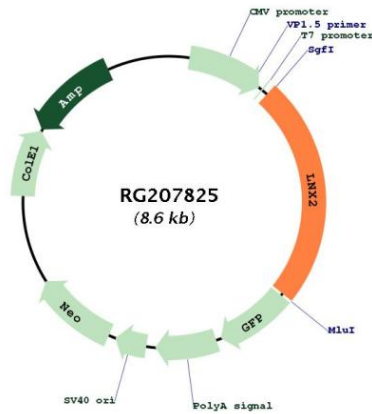
**UniProt ID:** [Q8N448](#)

**Cytogenetics:** 13q12.2

**Domains:** PDZ, RING

**Protein Families:** Druggable Genome

**Product images:**



Circular map for RG207825