

Product datasheet for **RG225771**

NRXN3 (NM_001105250) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NRXN3 (NM_001105250) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NRXN3
Synonyms:	C14orf60
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG225771 representing NM_001105250
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCACCTGAGAATCCACGCGAGACGGAGCCCTCCTCGCCGGCCGGCCTGGACGCTTGGGATCTGGTTCC
 TGTTCGGGGATGTATCGTCAGCTCTGTATGGAGTTCTTCTAATGTAGCTTCCTCCTCCACCTTTC
 CTCGCCGGGTCTCACTCTCAGCACGAGACCATTTCATGGCAGCAAGCATCACTCAGTGCCTATTTCT
 ATCTATCGTTCCTGTTCCCTTCGAGGAGGACGCTGGCGCTACGTACATCTTTGGGAAAAGTGGTG
 GGCTTATCCTCTACACCTGGCCAGCCAATGACAGGCCAGCACGGCTGACCGCCTTGCCGTGGGCTT
 CAGCACCACTGTGAAGGATGGCATCTTGGTCCGCATCGACAGTGTCCAGGACTTGGTGACTTCCTCCAG
 CTTACATAGAACAGGGGAAAATGGAGTTGTCTCAACATTGGCACAGTTGACATCTCCATCAAAGAGG
 AGAGAACCCTGTAATGACGGCAAATACCATGTGGTACGCTTACCAGGAACGGCGGCAACGCCACCCT
 GCAGGTGGACAACCTGGCCAGTGAATGAACATTATCCTACAGGCAACACTGATAATGAACGCTTCCAATG
 GTAAAACAGAAAATCCCCCTTCAAATATAATCGGCCTGTAGAGGAGTGGCTGCAGGAAAAAGCCGGCAGT
 TAACCATCTTCAACACTCAGCGCAAATAGCCATTGGTGGAAAGGACAAAAGGACGCCTCTTCCAAGGCCA
 ACTCTCTGGGCTCTATTATGATGGTTTGAAGTACTGAACATGGCGGCTGAGAACAACCCCAATATTA
 ATCAATGGAAGTGTTCGGCTGGTTGGAGAAGTCCCATCAATTTTGGGAACAACACAGACGACCTCCATGC
 CACCAGAAATGTCTACTACTGTATGAAACCCTACTACAATGGCGACTACCACAACCCGTAAGAATCG
 CTCTACAGCCAGCATTAGCCAACATCAGATGATCTTGTTCATCTGTGAATGTTCAAGTATGATGAA
 GACTTTGTTGAATGTGAGCCGAGTACAGCAAACCCACGGAGCCGGAATCAGACGGGTTCCGGGGCCCT
 CAGAGGTGATCCGGGAGTCCGAGCAGCAACAGGGATGGTCGTCGGCATTGTGGCTGCTGCCGCCCTCTG
 CATCTTGATCCTCTGTACGCCATGTACAAGTACAGGAACAGGGACGAGGGGTCTTATCAAGTGGACGAG
 ACGCGGAACTACATCAGCAACTCCGCCAGAGCAACGGCACGCTCATGAAGGAGAAGCAGCAGAGCTCGA
 AGAGCGGCCACAAGAAACAGAAAAACAAGGACAGGGAGTATTACGTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG225771 representing NM_001105250
 Red=Cloning site Green=Tags(s)

MHLRIHARRSPRRPAWTLGIWFLFWGCI VSSVWSSSNVASSSSTSSSPGSHSQHEHHFHGSKHHSVPIS
 IYRSPVSLRGGHAGATYIFGKSGGLILYTPANDRPSTRSDRLAVGFSTTVKDGILVRIDSAPGLGDFLQ
 LHIEQKGIGVVFNIGTVDISIKEERTPVNDGKYHVRFTRNGGNATLQVDNWPVNEHYPTGNTDNERFQM
 VKQKIPFKYNRPVEEWLQEKGRQLTIFNTQAQIAIGGKDKGRLFQGLSGLYYDGLKVLNMAAENPNIK
 INGSVRLVGEVPSILGTTQTTSMPPPEMSTVMETTTTMTTTRKNRSTASIQPTSDDLVSSAECSSDDE
 DFVECEPSTANPTEPGIRRVPGASEVIRESSSTTGMVVGIVAAAALCILILLYAMYKYRNRDEGSYQVDE
 TRNYISNSAQSNGLMKEKQSSKSGHKKQKNKDREYYV

TRTRPLE – GFP Tag – V

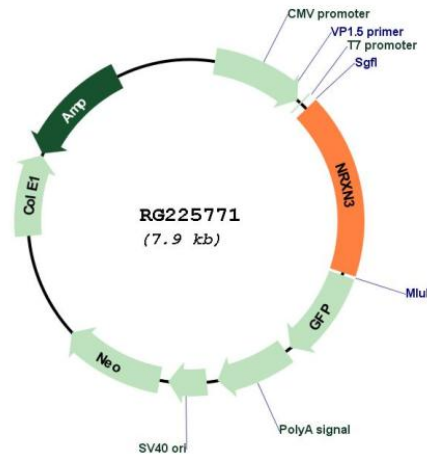
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001105250

ORF Size: 1377 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:	<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:	NM_001105250.3
RefSeq Size:	4847 bp
RefSeq ORF:	1380 bp
Locus ID:	9369
UniProt ID:	Q9HDB5
Cytogenetics:	14q24.3-q31.1
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs)
Gene Summary:	<p>This gene encodes a member of a family of proteins that function in the nervous system as receptors and cell adhesion molecules. Extensive alternative splicing and the use of alternative promoters results in multiple transcript variants and protein isoforms for this gene, but the full-length nature of many of these variants has not been determined. Transcripts that initiate from an upstream promoter encode alpha isoforms, which contain epidermal growth factor-like (EGF-like) sequences and laminin G domains. Transcripts initiating from the downstream promoter encode beta isoforms, which lack EGF-like sequences. Genetic variation at this locus has been associated with a range of behavioral phenotypes, including alcohol dependence and autism spectrum disorder. [provided by RefSeq, Dec 2012]</p>