

## Product datasheet for **RG223503**

### **NRXN3 (NM\_138970) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NRXN3 (NM_138970) 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)
ORF Nucleotide Sequence:	>RG223503 representing NM_138970 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCACCTGAGAATCCACGCGAGACGGAGCCCTCTCGCCGGCCGGCCTGGACGCTTGGGATCTGGTTCC  
TGTTCTGGGGATGTATCGTCAGCTCTGTATGGAGTTCTTCTAATGTAGCTTCTCCTCCTCCACCTCTTC  
CTCGCCGGGTCTCACTCTCAGCAGCAGCACCATTTCATGGCAGCAAGCATCACTCAGTGCCTATTTCT  
ATCTATCGTTCCCTGTTTCCCTTCGAGGAGGACACGCTGGCGCTACGTACATCTTTGGGAAAAGTGGT  
GGCTTATCCTCTACACCTGGCCAGCCAATGACAGGCCAGCAGCGGTCTGACCGCTTGCCGTGGGCTT  
CAGCACCAGTGTGAAGGATGGCATCTTGGTCCGCATCGACAGTGCCTCAGGACTTGGTGACTTCTCCAG  
CTTCACATAGAACAGGGGAAAATGGAGTTGTCTTCAACATTGGCACAGTTGACATCTCCATCAAAGAGG  
AGAGAACCCTGTAAATGACGGCAAATACCATGTGGTACGCTTACCAGGAACGGCGGCAACGCCACCT  
GCAGGTGGACAACCTGGCCAGTGAATGAACATTATCCTACAGGCCGGCAGTTAACCATCTTCAACACTCAG  
GCGCAAATAGCCATTGGTGGAAAGGACAAAGGACGCCTCTTCAAAGGCCAACTCTCTGGGCTCTATTATG  
ATGTTTGAAGTACTGAACATGGCGGCTGAGAACAACCCCAATATTAATCAATGGAAGTGTTCGGCT  
GGTTGGAGAAGTCCCATCAATTTTGGGAACAACACAGACGACCTCCATGCCACCAGAAATGTCTACTACT  
GTCATGGAAACCACTACTACAATGGCGACTACCACAACCCGTAAGAATCGCTCTACAGCCAGCATTTCAGC  
CAACATCAGATGATCTTGTTCATCTGCTGAATGTTCAAGTGATGATGAAGACTTTGTTGAATGTGAGCC  
GAGTACAGGTAGGTGAGCAAACCCACGGAGCCGGGAATCAGACGGGTTCCGGGGCCTCAGAGGTGATC  
CGGGAGTCGAGCAGCACAACAGGGATGGTCTGCGCATTGTGGCTGCTGCCGCCCTCTGCATCTTGATCC  
TCCTGTACCCATGTACAAGTACAGGAACAGGGACGAGGGTCTATCAAGTGGACGAGACGCGAACTA  
CATCAGCAACTCCGCCAGAGCAACGGCAGCTCATGAAGGAGAAGCAGCAGAGCTCGAAGAGCGGCCAC  
AAGAAACAGAAAAACAAGGACAGGGAGTATTACGTG

**ACCGTACGGCGGCTCGAG** - GFP Tag - GTTTAA



[View online »](#)



**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\\_138970.5](#)

**RefSeq Size:** 4723 bp

**RefSeq ORF:** 1299 bp

**Locus ID:** 9369

**UniProt ID:** [Q9HDB5](#)

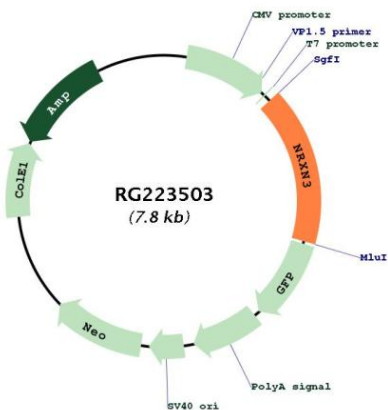
**Cytogenetics:** 14q24.3-q31.1

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Cell adhesion molecules (CAMs)

**Gene Summary:** 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]

Product images:



Circular map for RG223503