

Product datasheet for **RG222270**

CNTNAP3 (NM_033655) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNTNAP3 (NM_033655) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CNTNAP3
Synonyms:	CASPR3; CNTNAP3A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG222270 representing NM_033655 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

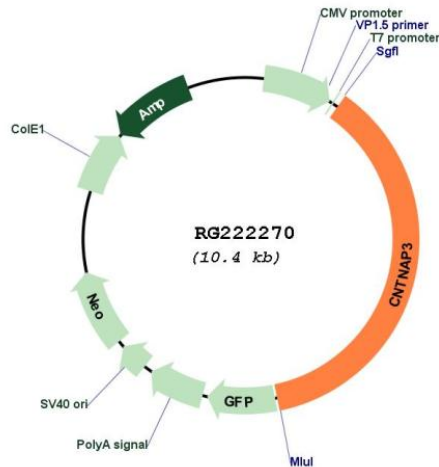
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ATCACTGCCATAGCCATACGCATCTATCAACAGAGAAAGTTACGCAAAGAAAATGAGTCAAAAGTCTCAA
AAAAAGAAGAGTGC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

Plasmid Map:



ACCN: NM_033655

ORF Size: 5226 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_033655.5](#)

RefSeq Size: 5251 bp

RefSeq ORF: 3867 bp

Locus ID: 79937

UniProt ID: [Q9BZ76](#)

Cytogenetics: 9p12

Domains: F5_F8_type_C, LamG

Protein Families: Secreted Protein, Transmembrane

Gene Summary: The protein encoded by this gene belongs to the NCP family of cell-recognition molecules. This family represents a distinct subgroup of the neurexins. NCP proteins mediate neuron-glial interactions in vertebrates and glial-glial contact in invertebrates. The protein encoded by this gene may play a role in cell recognition within the nervous system. Alternatively spliced transcript variants encoding different isoforms have been described but their biological nature has not been determined. [provided by RefSeq, Jul 2008]