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Product datasheet for RG214329

CNTNAP4 (NM_138994) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNTNAP4 (NM_138994) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CNTNAP4
Synonyms:	CASPR4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

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>RG214329 representing NM_138994
Red=Cloning site Blue=ORF Green=Tags(s)

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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

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Protein Sequence:

>RG214329 representing NM_138994
Red=Cloning site Green=Tags(s)

MWNYDCDDPLVSALPQASFSSSSELSSSHGPGFARLNRRDGAGGWSPLVSNKYQWLQIDLGERMEVTAVA
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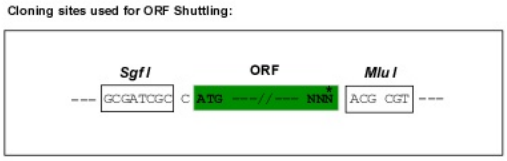
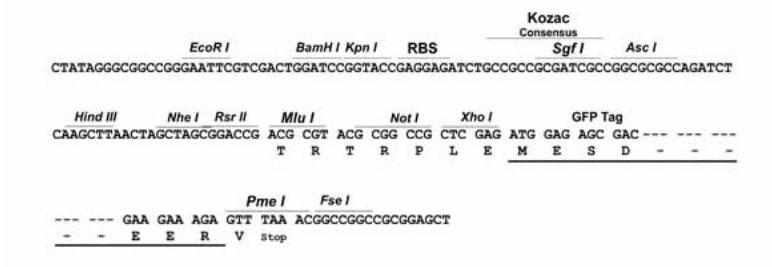
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:





ACCN: NM_138994

ORF Size: 3705 bp

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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_138994.5
RefSeq Size:	4327 bp
RefSeq ORF:	3708 bp
Locus ID:	85445
UniProt ID:	Q9C0A0
Cytogenetics:	16q23.1
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a member of the neurexin protein family. Members of this family function in the vertebrate nervous system as cell adhesion molecules and receptors. This protein contains epidermal growth factor repeats and laminin G domains. In addition, it includes an F5/8 type C domain, discoidin/neuropilin- and fibrinogen-like domains, and thrombospondin N-terminal-like domains. This protein may also play a role in proper neurotransmission in the dopaminergic and GABAergic systems and mutations in this gene may be associated with certain psychiatric illnesses. A polymorphism in an intron of this gene may be associated with longevity. [provided by RefSeq, Apr 2016]

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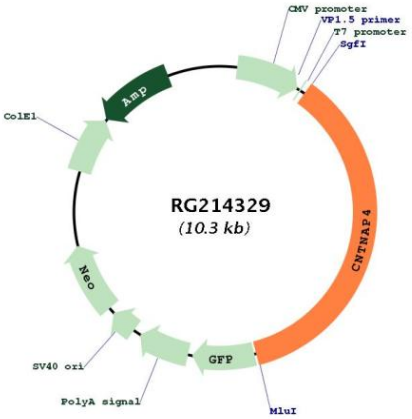
Product images:



Circular map for RG214329

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