

Product datasheet for **RC233192**

CNTN4 (NM_001206955) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	CNTN4
Synonyms:	AXCAM; BIG-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence: >RC233192 representing NM_001206955
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

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Protein Sequence:

>RC233192 representing NM_001206955

Red=Cloning site Green=Tags(s)

MRLPWELLVLQSFILCLADDSTLHGPIFIQEPSPVMFLDSEEEKVKLNCEVKGNPKPHIRWKLNGTDVD
TGMDFRYSVVEGSLINNPNKTQDAGTYQCTATNSFGTIVSREAKLQFAYLDNFKTRTRSTVSRRGQGM
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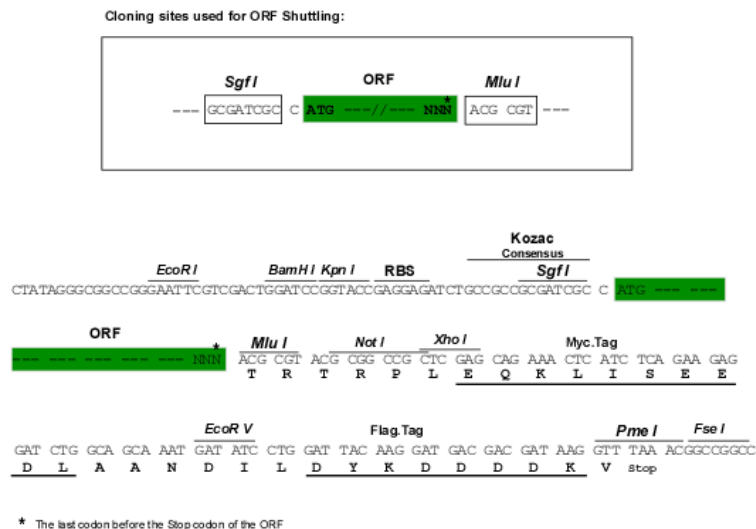
Chromatograms:

https://cdn.origene.com/chromatograms/mk6285_a09.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

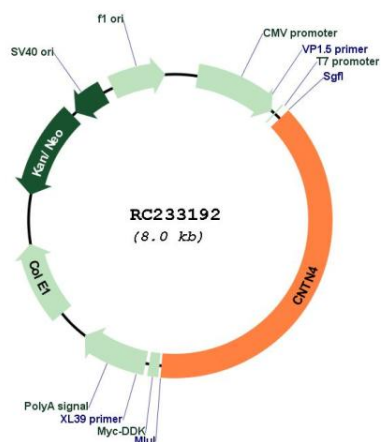
NM_001206955

ORF Size:

3078 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001206955.1 , NP_001193884.1
RefSeq Size:	5223 bp
RefSeq ORF:	3081 bp
Locus ID:	152330
UniProt ID:	Q8I WV2
Cytogenetics:	3p26.3-p26.2
Protein Families:	Secreted Protein
MW:	113.5 kDa
Gene Summary:	This gene encodes a member of the contactin family of immunoglobulins. Contactins are axon-associated cell adhesion molecules that function in neuronal network formation and plasticity. The encoded protein is a glycosylphosphatidylinositol-anchored neuronal membrane protein that may play a role in the formation of axon connections in the developing nervous system. Deletion or mutation of this gene may play a role in 3p deletion syndrome and autism spectrum disorders. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2011]

Product images:



Circular map for RC233192