

Product datasheet for **RR213908**

Cttnbp2 (NM_001114401) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cttnbp2 (NM_001114401) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cttnbp2
Synonyms:	Cbp90; Cortbp2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR213908 representing NM_001114401 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR213908 representing NM_001114401

Red=Cloning site Green=Tags(s)

MATDSASCEPDL SRAPGDAEGATAEAAKKEFDVDTLSKSEL RMLLSVMEGELEARDLVIEALRARRKEVF
IQERYGRFNLNDPFLALQRDYEAGADKEKPVCTNPLSILEAVMAHCRKMQRMSAQLAAAESRQKKLEM
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PRKTKDKRLASISVATEGPVTRSVACQTDVVTESTDPVKKLPLSVPIKPSTGSPLVSTNTKGNVGPSALL
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LHGCPLPRTELDQQIADFKGGSFPLSIVSSYSKKKGESAARWVNTSPRKKPGHFSPPMWNKPDLKHEGM
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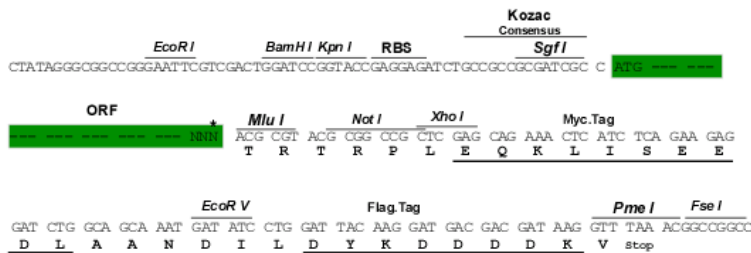
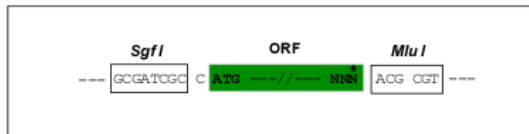
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



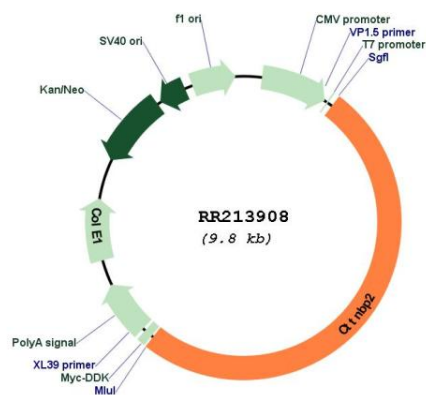
* The last codon before the Stop codon of the ORF

ACCN:

NM_001114401

ORF Size:	4947 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_001114401.1 , NP_001107873.1
RefSeq Size:	5935 bp
RefSeq ORF:	4950 bp
Locus ID:	282587
UniProt ID:	Q2IBD4
Cytogenetics:	4q21
MW:	178.8 kDa
Gene Summary:	brain-specific protein which binds the F-actin-binding cortactin; may play a role in the actin cytoskeleton [RGD, Feb 2006]

Product images:



Circular map for RR213908