

Product datasheet for **RR209877**

Cxxc4 (NM_053342) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Cxxc4 (NM_053342) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Cxxc4
 Synonyms: Idax
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR209877 representing NM_053342
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAACACCAATGTCTGCGTGGAGCCGGGGCCGAGCCCGGAGGCCCGGGCTTGCCCAAGGAGAGCCACC
 TGCCCGAGGGGGCCCTGAACAGCCTTGTGGATTACAACCTGAGATGGAGCGCTATCGCTCTTTTGCCAC
 CTCTTTACAAGACCAACGGGGCGCCTTCCCGCAGGCAGCCAAGATCGCGCGCATCACCACCCCATC
 TTCCCCAGCAGCGCCGCCCGCCGCGGCTGCTGCGCGCATCGGCATGTCCCGTGGAACTGCGACAACG
 CGGCCACCGCCGCCACCGCGATGCTCTGGGGCAGCGGGGGCGCGCGGAGGCGGTGGGGGGCGGGG
 TGGGGGCGGGGAGCCGGCAGGAAATCCTCCTCGGCCCGCCCTCCTCCTCCACCTCCTCCTCGGCGATC
 CTCCCCGCGCGCGGTGGCGGTGGCGGGCGCGCAGTGGCAGCGGGCGGGCGGGCGGTGGCGGG
 GCAGGACCAGCATGCACCACCGAACGACTCCCAGCGTCTGGGAAGGCTGGCTGTCCGCCAGAGCCGTC
 GTTGCAAATGGCAAATACTAATTTCTCCTCCACCTTATCCCCGAACACTGCAGACCTTTGGCGGGGAA
 TGCATGAACAAGCTCAAATGCGGCGTGTGAAGCAGAGATAATGAATCTCCCGAGCGGTGGGACTT
 TTTCCGCTATCCCGCTTATAGGGGCATCTATTACCTCCAGGGTTCATCGTCATGACAGCCCTTCACTC
 CCCCAGCAGCCTCAGCAGCCGTACAGACAGTGCCTTTCAAATTGCCAATCTGGCAGACTGCCGCAG
 AATCATTCTCCTCCTCCTCGTCTCCTCGGGGGAGCTGGCGGAGCAACCCGCAAGAAGAAGAGGA
 AAAGGTGTGGGTCTGCGTGCCTGCAAGAGGCTCATCAACTGTGGCGTCTGCAGCAGTTGCAGGAACCG
 CAAAACGGGACACCAGATCTGCAAATTTAGAAAATGTGAAGAGCTAAAGAAAAAACCCTGGCACTTCGCTA
 GAGAGAACACCTGTTCCAGCGCTGAAGCATTCCGATGTTCTTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209877 representing NM_053342
 Red=Cloning site Green=Tags(s)

MNTNVCVEPGPSPEAPGLPKESHLPEGALNSLVDYNSEMERYSFATSFYKTNGGAFPQAAKIARITTTPI
 FPSSAAAAAARIGMSPWNCDNAATAAATAMLWGSGGGGGGGGGGGGGAGRKSSSAAASSTSSSAI
 LPAAGGGGGGGSGSGGGGGGGGRTSMHHRNDSQRLGKAGCPPEPSLQMANTNFLTLSPEHCRPLAGE
 CMNKLKCGAAEAEIMNLPERVGTFSaipALGGISLPPGVIVMTALHSPAAASAAVTDsafQIANLADCPQ
 NHSSSSSSSGGAGGANPAKKKRKRCVCVCKRLINCGVCSSCRNRKTGHQICKFRKCEELKKKPGTSL
 ERTVPVSAEAFRFFF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

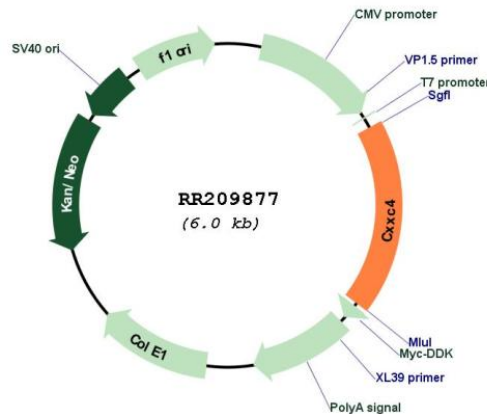
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053342

ORF Size:	1095 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:	<ol style="list-style-type: none">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_053342.3 , NP_445794.3
RefSeq Size:	5486 bp
RefSeq ORF:	1098 bp
Locus ID:	83824
Cytogenetics:	2q43
MW:	36.4 kDa
Gene Summary:	negatively regulates Wnt signaling by binding to the PDZ domain [RGD, Feb 2006]