

Product datasheet for MR213588

Cdk11 (NM_183294) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdk11 (NM_183294) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdk11
Synonyms:	4933411O17Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR213588 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAAAATATGAAAAATTGAAAGATTGGAGAAGGCTCCTATGGGGTAGTGTTCAAGTGCAGAAACA
GGGACACGGGTGAGATCGTGGCCATCAAGAGTTTCTGGAAACCGAAGATGACCCGTGCATAAAGAAAAAT
CGCCCTTCGAGAAATCCGCATGCTCAAGCAACTCAAGCACCCCAACCTGGTCAACCTCCTGGAAGTCTTC
CGGAGGAAGCGGAGGCTTCACCTGGTGTTCGAGTACTGCGACCACACGGTCTTACGAGCTGGATCGGT
ATCAGAGGGGGTACCAGAGCCTCTCGTGAAGAACATAACTTGGCAGACACTGCAGGCTGTAATTTCTG
CCATAAACATAACTGCATACACAGAGACGTGAAGCCGGAAAAATATTCATCACCAAACAGTCAGCCATT
AAGCTCTGTGACTTTGGGTTTCGACGGCTTCTCACTGGACCAGGTGACTACTACACGGACTACGTGGCCA
CCCGGTGGTACCGCTCACCCGAGCTGCTAGTGGGAGACACGCAGTATGGTCCCCCTGTAGATGTCTGGGC
AATTGGCTGTGTGTTGCTGAGTTACTGTCCGGAGTGCCCTATGGCCAGGAAAACTGACGTGGATCAG
CTCTACCTGATAAGGAAAAACCTGGGGACCTCATTCCAGGCACCAGCAAGTATTTAGCATGAATCAAT
ACTTCAGTGGGGTAAAAATCCAGACCTGAAGACATGGAACACTTGAGTTGAAATTTCCAACATCTC
CTACTGCACTGGGCTTCTTAAAGGGTGCCTCCACATGGATCCTGCTGAGAGGCTGACATGCGAACAG
CTGTTGCAGCATCCATATTTGACAGATTGAGAAGTTGGGGAGTTGACGAGACAACATGACAAACCAG
CGAGGAAGACTCTGAGGCAGAGTAGAAAGCACTTGACTGGGCTGCAGTACCTACCTCAGCTAACCAGCAG
CCGCATCCTTCCAGCTTTGGACAATAAGAAGTACCACTGTAGTACCAAGAGATTTAACTACCATTTTCCA
AATATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR213588 protein sequence
 Red=Cloning site Green=Tags(s)

MEKYEKIGKIGEGSYGVVFKCRNRDTGQIVAIKRFLLETEDDPVIKKIALREIRMLKQLKHPNLVNLLEVF
 RRRKRLHLVFEYCDHTVLHELDYRQGVPEPLVKNITWQTLQAVNFCHKHNCIHRDVKPENILITKQSAI
 KLCDFGFARLLTGPGDYTYDVATRWRYSPELLVGDTQYGPVVDVWAIGCVFAELLSGVPLWPGKSDVDQ
 LYLIRKTLGDLIPRHQQVF SMNQYF SGVKIPDPEDMETLELKFPNISYSALGFLKGCLHMDPAERLTCEQ
 LLQHPYFDSIREV GELTRQHDKPARKTLRQSRKHLTGLQYLPQLTSSRILPALDNKKYHCSTKRFNYHFP
 NI

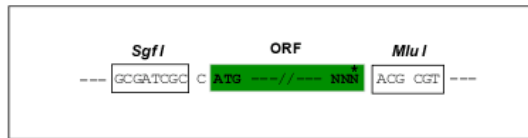
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_183294

ORF Size: 1059 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_183294.2](#), [NP_899117.1](#)

RefSeq Size: 1689 bp

RefSeq ORF: 1059 bp

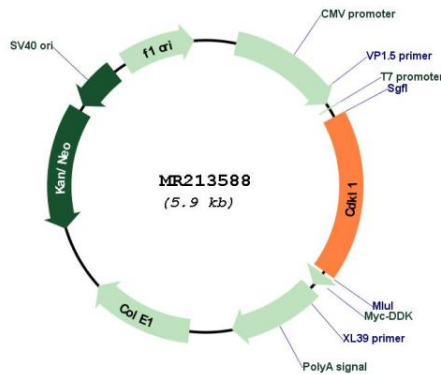
Locus ID: 71091

UniProt ID: [Q8CEQ0](#)

Cytogenetics: 12 C2

MW: 41 kDa

Product images:



Circular map for MR213588