

Product datasheet for MR204813

5730593N15Rik (BC025832) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	5730593N15Rik (BC025832) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	5730593N15Rik
Synonyms:	5730593N15Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204813 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGGGCTCACCTGATCCCTGTTACAGCTTCATCCCTTACTGCTCCAGTGACGTTTGGAGTGGGGCTT
CACCCAAGTCTGACAAGAATGAATATGCCTTCATGGGCTCCCTCATCATCCAGGAGGTGGTACGGGAGCT
CCTGGGCAAAGGGCTGAGCGGGCAAAGGTGCTGCTGTTGGCCGGGAGCAGCGCTGGGGCACCGGGGTG
CTGTTGAATGTAGACCGGTGGCTGAGCTGCTGGAGGAGTTGGGCTACCGTCTATCCAGGTGCGGGGCC
TGCTGACTCAGGCTGGTTCCTGGACAACAAGCAGTACCGGCGATCAGACTGCATTGATACTATCAACTG
TGCACCCACAGACGCCATCCGCCGTGGCATCAGGTACTGGAGTGGGATGGTCCCAGAGCGTTGCCAGCGC
CAGTTCAAGGAAGGAGAGGAATGGAATTGCTTCTTTGGCTACAAAGTATATCCGACTCTGCGCTGTCCGG
TGTTTCGTGGTACAGTGGCTTTTCGATGAGGCCAGCTTACCGTGGATAACGTGCATCTCACCGGACAGCC
GGTTCAGGAAGGCCAGTGGCTATACATCCAGAATCTGGGCCGAGAAGTGCCTGGTACACTCAAGGATGTG
CAGGCCAGCTTTGCCCGCCTGCCTGTCTCATGAGATCATACGAGCTATTGGACGGACGTCCAGG
TGAAGGGGACCTCACTGCCAGGGCACTGCACTGCTGGGACCGGAGCTTCCATGACAGCCATAAGGCCAG
CAAAACCCCATGAAGGGCTGCCCTTCCACCTGGTAGACAGCTGCCCTGGCCCCACTGCAATCCCTCA
TGCCCTACCATCCGGGACCAGTTCACAGGGCAAGAGATGAACGTGGCACAGTTCCTTATGCATATGGGT
TCGATGTGCAGATGGTGGCTCAGCAGCAGGGGATGGAGCCAGCAAGCTGCTAGGGATGCTGAGTAAATGG
GAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204813 protein sequence
Red=Cloning site Green=Tags(s)

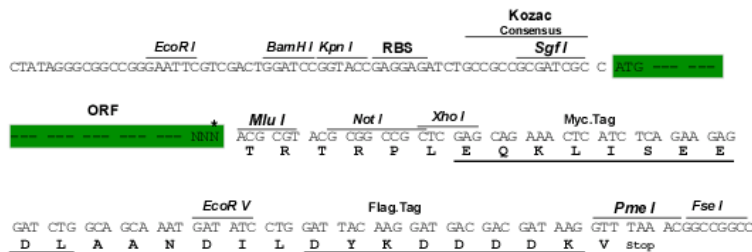
MVGSPDPCYSFIPYCSDVWVGASPKSDKNEYAFMGSLLIQEVVRELLGKGLSGAKVLLLAGSSAGGTGV
 LLNVDRVAELLEELGYPSIQVRGLADSGWFLDNKQYRRSDCIDTINCAPTDAIRRGIRYWSGMVPERCQR
 QFKEGEEWNCFFGYKYPTLRCPVFFVQWLFDEAQLTVDNVHLTGQPVQEGQWLYIQNLGRELRTLKDV
 QASFAPACL SHEIIIRSYWTDVQVKGTS LPRALHCWDRSFHDSHKASKTPMKGCPFHLVDSCPWPHCNPS
 CPTIRDQFTGQEMNVAQFLMHMGFDVQMVAAQQQGMEPSKLLGMLNNG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC025832

ORF Size: 984 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: [BC025832](#), [AAH25832](#)

RefSeq Size: 1447 bp

RefSeq ORF: 986 bp

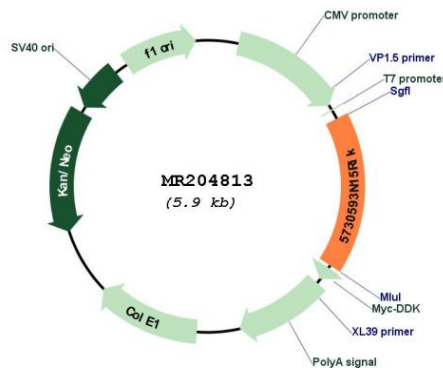
Locus ID: 77583

Cytogenetics: 11 E2

MW: 36.8 kDa

Gene Summary: Carboxylesterase that acts as a key negative regulator of the Wnt signaling pathway by specifically mediating depalmitoleoylation of WNT proteins. Serine palmitoleoylation of WNT proteins is required for efficient binding to frizzled receptors.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204813