

Product datasheet for MR203853

Ubx5 (BC019461) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ubx5 (BC019461) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ubx5
Synonyms:	Soc, Soci
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203853 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCTCACCTCTGGCCTCTTTAGCAAGACGCGGAAGGTGCCCTAGAGTCGGAGTCTGTGAATCCTG
GGAGACGAGGGATAAGAGTCTACGAAATGAAGATGAGGTGGACATGTGGAATGATGGCCAAGACTCAGA
AGAGAAGATCTCTGCCTTCTGCTATGGAGGCATCGGTGCCCTGTGAGTAGGCAAGGACCCCATGAC
TCGGAGCTGATGGCCTCCATGACCAGGAAGCTGCAGGAGCTGGAGCAGCAGTTGCAGGCCAGAACGACG
AGATGCTGTCCAAGGAGCGGAAGATCCTGGACCTGGAGGATTTGGTACAGACCCTCCAGCAGCACCAGAA
CAATGCAGCCCTGCAGAGGCAGGAGGAGCTGGAGACACAATGCATTCAGCTGCAGCGCAGATTGGTGAG
ATGGAGCGGTTTCTCAGCGACTATGGCCTGCAGTGGGTGGGCGAGCCCATGGACCAGGAGAACTCAGAGG
AAAAGACAGTCTCTGAAAATGATGAGCGAGACTGGATGAAGGCCAAGAAGTTTGGAAAGCCAGGGGATTC
TTTTGTGCCCCCGAGGTGGACTTTGACAACTGATGGCCAGTCTACAGGATCTGAGTGAGCTGGTGGAG
GGAGAGGCCAGGTGACTCCGGTGCCTGGTGGGCTCGGTTCCGTACCCTAGAGCCCATCCCGCTGAAGG
TCTACCGAATGGCATTATGATGTTTGTGGGCCCTTCCGGCCCTTCTACGATCCCTCCACGCAGCGCTG
CCTCCGGGACATACTGGATGGCTTTTCCCTCAGAGCTGCAGAGGCTGTATCCTGATGGAGTCCCTTT
AAGGCTCCAGGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203853 protein sequence
Red=Cloning site Green=Tags(s)

MSSPLASLSKTRKVPLESESVNPGRRGIRVYGNEDVDMWNDGQDSEEKISLPSCYGGIGAPVSRQGPLD
 SELMASMTRKLQELEQQLQAQNDEMLSKERKILDLEDLVQTLQQHQNNAALQRQEELETQCIQLQRQIGE
 MERFLLSDYGLQWVGPEMDQENSEEKTVSENDERDWMKAKKFWKPGDSFVPPPEVDFDKLMASLQDLSELVE
 GEAQVTPVPGGARFRTLEPIPLKVYRNGIMMFDGPFPRPFYDPSTQRCLRDILDGFFPSELQRLYPDGVVFF
 KAPG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC019461

ORF Size: 852 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: [BC019461](#), [AAH19461](#)

RefSeq Size: 1461 bp

RefSeq ORF: 854 bp

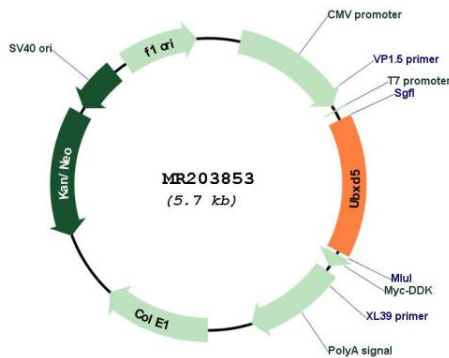
Locus ID: 67586

Cytogenetics: 4 66.5 cM

MW: 32.4 kDa

Gene Summary: May be involved in the reorganization of actin cytoskeleton mediated by RND1, RND2 AND RND3. Promotes RHOA activation mediated by GNA12 and GNA13 (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203853