

Product datasheet for MR228950

Ubxn10 (NM_001285930) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ubxn10 (NM_001285930) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ubxn10
Synonyms:	5730509E04Rik; A830047D02; Ubx d3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR228950 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCATAGAAGCCCCTGTGAACTTTGCACCACCTGAACGCAGCACTGTGGTCAGCACCCGAGGCGACA
GCTCCACCTGGCAGCCCAGCTCACTCAGGATGCACGTTATCAGGCCAAGTCTGCCAAGGGCCGGAAGCG
GCCGAATTTGCACAGACCACAAGGCATGGGGGACGGCTCCCCAGTCACTATCCTCTTACCTCCACCA
CGGTCTCCGGGTCTCCAGCAACCAGAAACCAGGAGTCTGTGCAACGGTCTCAACATCTCAGGGAGCTC
CTGACGAGATGCCGGAGTTGCTGCTGCAGCAGGACCCGACACGGACCGCCTCATCTCTCAACAGGTACCC
GGTCTCCCATCCATCAACAGGAGGAGCTTAGAGGTGGGAGCCGTGGACACTGTGGCCAGCAAGACCACT
TCCTGCAGCTGAGCAGCGTCCAGGCCCTTTACCAAGAGGATTCAAGCCAGGAAGACTCCAGAACCGAGG
TCTGTGCCTTAGAGAAGAAGTTCATCATCCGAACCAAAAGACAGAGCTCCTCCAGGGCCTCCAACATCGA
GGAGCCGTCCGGACGAAGAGCCAAGGCTGCTGCTGGCTGTCCGGTCAACCTCAGGCCAAAGGTTCTGTGCGC
TATTTAGGCCAGTGCAGACCTCCAGACCGTCTCGAGGTGGCCGAGCAGAAAAACAAAGCCACCTACC
AACACTGCAGCATTGAGACGATGGAAGTGCCAGGAGACGGTTCTCCGACCTACCAAGTCCCTCCAGGA
ATGGCGCATCCTCATAAATCCGTGTTGGGCATCTCGCAGGAGGAGGGGGAGGCGTGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR228950 protein sequence
 Red=Cloning site Green=Tags(s)

MAIEAPVNFAPPERSTVVSTAGDSSTWQPSSLRMHVIRPKSAKGRKRPNLHRPQGMGDGSPSALSSSPPP
 RSSGSPSNQKPGVCATVSTSQGAPDEMPPELLLQQAPTRTASSLNRYPLPSINRRSLEVGAVDTVASKTS
 SLQLSSVQALYQEDSSQEDSRTQVCALEKKFIIRTKRQSSSRASNIIEEPSDEEPRLLLA VRSPSGQRFVR
 YFRPDDLQTVLEVAEQNKATYQHCSIETMEVPRRRFSDLTKSLQECGILHKSVLGISQEEGEAWP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001285930

ORF Size: 831 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001285930.1](#), [NP_001272859.1](#)

RefSeq Size: 3069 bp

RefSeq ORF: 834 bp

Locus ID: 212190

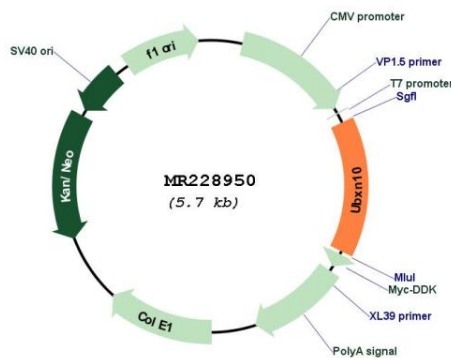
UniProt ID: [Q8BG34](#)

Cytogenetics: 4 D3

MW: 30.3 kDa

Gene Summary: VCP/p97-binding protein required for ciliogenesis. Acts as a tethering factor that facilitates recruitment of VCP/p97 to the intraflagellar transport complex B (IFT-B) in cilia. UBX domain-containing proteins act as tethering factors for VCP/p97 and may specify substrate specificity of VCP/p97.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR228950