

Product datasheet for MR226830

Vbp1 (NM_011692) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vbp1 (NM_011692) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Vbp1
Synonyms: VBP-1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR226830 representing NM_011692
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCGGCTAAGGACGGATGCGGCCTAGAACTGCTGCTGGAAACGGGCGGCGCTCCACTTAGGGA
TTCCTGAAGCAGTGTGGTGAAGATGTAGATTCTTCATGAAGCAGCCTGGGAATGAGACTGCAGATAC
AGTGTAAAGAAGCTGGATGAACAATACCAGAAGTATAAGTTTATGGAACCACTTGGCTCAGAAAAA
AGGAGGCTGAAAGGTGAGTTCCTGAAATTAACAGACTTTGAAATTCTGAAATACATGCAGAAGAAAA
AAGAGTCTACCAATCAATGGAGACGAGATTCTACTGGCGGATAACCTGTACTGCAAGCTTCAGTCCC
TCCTACTGATAAAGTATGCCTATGGTTGGGGGCTAATGTAAATGCTGAATATGATATTGATGAAGCTCAG
GCCTTGTGGAAAAGATTTATCAACTGCCACAAAGAATCTTGATTCTCTTGAAGAAGACCTTGACTTTC
TTCGAGATCAGTTTACTACCACAGAAGTCAATATGGCCAGGGTTATAATTGGGATGTAACGAAGAAA
CAAAGATGATTCTACCAAGAATAAAGCA

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR226830 representing NM_011692
 Red=Cloning site Green=Tags(s)

MAAAKDGCGLTAAGNGRRLHLGIPEAVFVEDVDSFMKQPGNETADTVLKKLDEQYQKYKFMELNLAQKK
RRLKGQIPEIKQTLEILKYMQKKKESTNSMETRFLADNLYCKASVPPTDKVCLWLGANVMLEYDIDEAQ
ALLEKNLSTATKNLDSLEEDLDFLRDQFTTEVNMARVYNWDVKRRNKDDSTKNKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

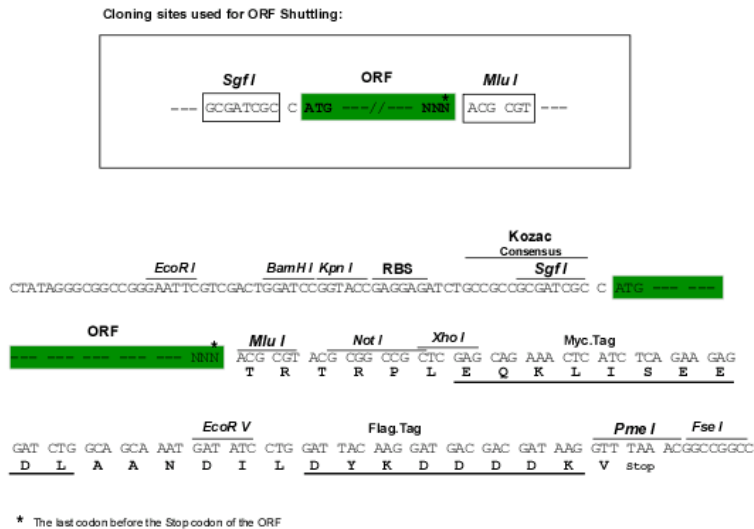


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Chromatograms: https://cdn.origene.com/chromatograms/mm9058_f12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_011692

ORF Size: 588 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_011692.2](#), [NP_035822.2](#)

RefSeq Size: 1601 bp

RefSeq ORF: 591 bp

Locus ID: 22327

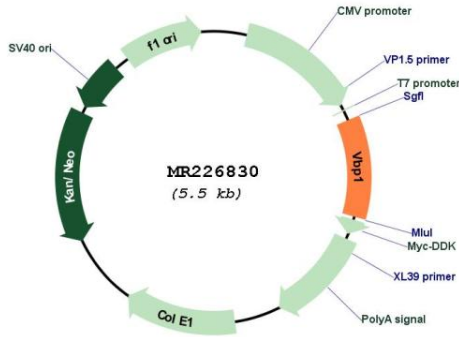
UniProt ID: [P61759](#)

Cytogenetics: X 38.25 cM

MW: 22.4 kDa

Gene Summary: Binds specifically to cytosolic chaperonin (c-CPN) and transfers target proteins to it. Binds to nascent polypeptide chain and promotes folding in an environment in which there are many competing pathways for nonnative proteins (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226830