

Product datasheet for **MR224300**

Rbp1 (NM_011254) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rbp1 (NM_011254) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rbp1
Synonyms: Crbp; CRBPI; Rbp-1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR224300 representing NM_011254
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTGTGGACTTCAACGGGACTGGAAGATGCTGAGCAATGAGAATTCGAGGAGTACCTGCGCGCGC
TCGACGTCAACGTGGCCTTACGCAAAATCGCCAATTGCTGAAGCCAGACAAAGAGATCGTGCAGGATGG
CGACCACATGATCATCCGCACGCTGAGCACTTTTCGGAATATATCATGGACTTCCAAGTTGGGAAGGAG
TTTGAGGAAGATCTGACAGGCATAGACGACCGCAAGTGCATGACCACTGTGAGCTGGGATGGTGACAAAC
TCCAGTGTGTGAGAAGGGAGAGAAGGAGGACGTGGCTGGACGCAAGTGGATCGAGGGTGTGAACCTCA
CCTGAAATGAGAGCTGAGGGTGTGATCTGCAAGCAAGTGTAAAGAAAGTACAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR224300 representing NM_011254
Red=Cloning site Green=Tags(s)

MPVDFNGYWKMLSNENFEEYLRALDVNVALRKIANLLKPDKEIVQDGDHMIIRTLSTFRNYIMDFQVGKE
FEEDLTGIDDRKCMTTVSWDGDKLQCVQKGEKEGRGWQWIEGDELHLEMRAEGVICKQVFKKVH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9042_c09.zip

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_011254

ORF Size: 405 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_011254.5](#), [NP_035384.1](#)

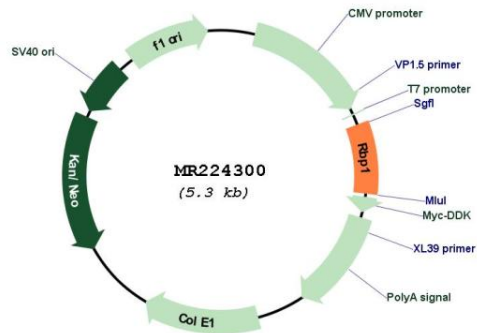
RefSeq Size: 2628 bp

RefSeq ORF: 408 bp

Locus ID: 19659

UniProt ID: [Q00915](#)

Cytogenetics: 9 51.36 cM
MW: 16.3 kDa
Gene Summary: Cytoplasmic retinol-binding protein. Accepts retinol from the transport protein STRA6, and thereby contributes to retinol uptake, storage and retinoid homeostasis.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for MR224300