

Product datasheet for **RR209241**

Rbp4 (NM_013162) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Rbp4 (NM_013162) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Rbp4
 Synonyms: RBPA
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RR209241 representing NM_013162
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGTGGGTGTGGGCGCTCGTGCTGCTGGCGGCTCTGGGAGGCGGCAGCGCCGAGCGCGACTGCAGGG
 TGAGCAGCTTCAGAGTCAAGGAGAACTTCGACAAGGCTCGTTTCTCTGGGCTCTGGTATGCCATCGCCAA
 AAAGGATCCCAGGGTCTCTTTTGAAGACAACATCATCGTGAGTTTTCTGTGGACGAGAAGGGTCAT
 ATGAGCGCTACAGCCAAGGACGAGTCCGTCCTTCTGAGCAACTGGGAAGTGTGTGCAGACATGGTGGCA
 CTTTCACAGACACAGAAGATCCTGCCAAGTTCAAGATGAAGTACTGGGGTGTAGCCTCCTTCTCCAGCG
 AGGAAACGATGACCACTGGATCATCGATACGGACTACGACACCTTCGCTCTGCAGTATTCCTGCCGCTG
 CAGAATCTGGATGGCACCTGTGCAGACAGCTACTCCTTTGTGTTTTCTCGTGACCCCAATGGCCTGACCC
 CGGAGACACGGAGGCTGGTGAAGCAGCGACAGGAGGAGCTGTGCCTAGAGAGGCAGTACAGATGGATCGA
 GCACAATGGTTACTGTCAAAGCAGACCCTCAAGAAACAGTTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR209241 representing NM_013162
 Red=Cloning site Green=Tags(s)

MEVWVALVLLAALGGGSAERDCRVSSFRVKENFDKARFSGLWYAIKKDPEGLFLQDNIIAEFSVDEKGGH
 MSATAKGRVRLLSNWEVCADMVGTFTDTEPAKFKMKYWGVASFLQRGNDDHWIIDTDYDFALQYSCRL
 QNLDGTCADSYSFVFSRDPNGLTPETRRLVRQRQEELCLERQYRWEHNGYQCQSRPSRNSL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_013162

ORF Size: 603 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_013162.1](#), [NP_037294.1](#)

RefSeq Size: 904 bp

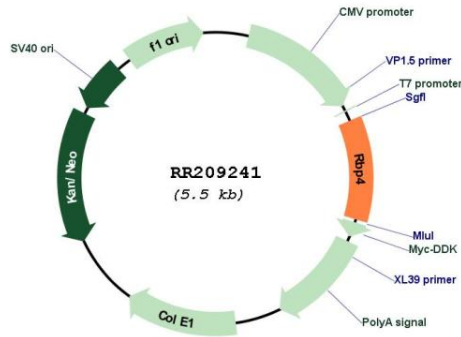
RefSeq ORF: 606 bp

Locus ID: 25703

UniProt ID: [P04916](#)

Cytogenetics: 1q53
MW: 23.2 kDa
Gene Summary: may play a role in vitamin A transport [RGD, Feb 2006]

Product images:



Circular map for RR209241