

Product datasheet for SC115902

RBP4 (NM_006744) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBP4 (NM_006744) Human Untagged Clone
Tag:	Tag Free
Symbol:	RBP4
Synonyms:	MCOPCB10; RDCCAS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115902 sequence for NM_006744 edited (data generated by NextGen Sequencing) ATGAAGTGGGTGTGGGCGCTCTTGTGTTGGCGGCGCTGGGCAGCGGCCGCGGAGCGC GACTGCCGAGTGAGCAGCTTCCGAGTCAAGGAGAACTTCGACAAGGCTCGCTTCTG ACCTGGTACGCCATGGCCAAGAAGGACCCCGAGGGCCTTTTCTGCAGGACAACATCGTC GCGGAGTTCTCCGTGGACGAGACCGCCAGATGAGCGCCACAGCCAAGGGCCGAGTCCGT CTTTTGAATAACTGGGACGTGTGCGCAGACATGGTGGGCACCTTCACAGACACCGAGGAC CCTGCCAAGTTCAAGATGAAGTACTGGGGCGTAGCCTCCTTTCTCCAGAAAGGAAATGAT GACCACTGGATCGTCGACACAGACTACGACACGTATGCCGTGCAGTACTCCTGCCGCTC CTGAACCTCGATGGCACCTGTGCTGACAGCTACTCCTTCGTGTTTTCCCGGGACCCCAAC GGCCTGCCCCAGAAGCGCAGAAGATTGTAAGGCAGCGGCAGGAGAGCTGTGCCTGGCC AGGCAGTACAGGCTGATCGTCCACAACGTTACTGCGATGGCAGATCAGAAAGAAACCTT TTGTAG Clone variation with respect to NM_006744.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_006744 unedited</p> <pre>CCCTGGATTTGTAACGNACTACTATAGCGGCAAAGCAATTCGCACGAGGCGCGCCCGG ACTCGGCGGCCAGGCTTGCGCGCGGTTCCCTCCCGGTGGGCGGATTCCTGGGCAAGATG AAGTGGGTGTGGGCGCTCTTGCTGTTGGCGGCGCTGGGCAGCGGCCGCGCGGAGCGCGAC TGCCGAGTGAGCAGCTCCGAGTCAAGGATTTTTTCGACAAGGCTCGCTTCTCTGGGACC TGGTACGCCATGGCCAAGAAGGACCCCGAGGGCCTTTTCTGCAGGACAACATCGTCGCG GAGTTCTCCGTGGACGAGACCGGCCAGATGAGCGCCACAGCCAAGGGCCGAGTCCGTCTT TTGAATAACTGGGACGTGTGCGCAGACATGGTGGGCACCTTCACAGACACCGAGGACCCT GCCAAGTTC AAGATGAAGTACTGGGGCGTAGCCTCCTTTCTCCAGAAAGGAAATGATGAC CACTGGATCGTCGACACAGACTACGACACGTATGCCGTGCAGTACTCCTGCCGCCTCCTG AACCTCGATGGCACCTGTGCTGACAGCTACTCCTTCGTGTTTTCCCGGGACCCCAACGGC CTGCCCCAGAAGCGCAGAAGATTGTAAGGCAGCGGCAGGAGGAGCTGTGCCTGGNCCAG CAGTACAGGCTGATCGTCCACAACGGTTACTGCGATGGCAGATCAGAAAGAAACCTTTTG TAGCANTATCAAGAATCTAGTTTCATCTGAGAACTTCTGATTAGCTCTCAGTCTTCAGCT CTATTTATCTTAGGAGTTAAATTTGCCCTTCTCTCCCATCTTCCCTCAGTTCCCATAAA ACCTTCATTACACATAAAGAACAGTGGNGGTCAATGGATCTGCTTGCCCTTCTGAAGA TTCTGGGGCTAAAAATCCGACTCTG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_006744 unedited</p> <pre>GACCGCGGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTAAACAGGACACGGGTGACTATAGTTTAAATGAATCAAAGTCTGGAATCTTAACCC CAAAAACCTTTCAGAAAGCAAGCAAATCACTGACCCCCACGTGATTTTTATGTGTAA TGAAGGTTTTATGGAACTGAGGAAAAATGGGGAAAAAAGGGCAAATTAACCTCTAAAA TAAATAAAGCTGAAAAGTAAAGCTAATCAAAGTTCTCAAATGAAACTAAATCTTGAT ATTGCTACAAAAGTTTTTTTTTATGCTGCCATCGCAGTAACCGTTGGGGACAATCAGCC TGTAAGTGCCTGGCCAGGCACAGTTCCTCCTGCCGTTGCCTTACAATTTTTTGGCCTTTTG GGGGCAGGCCGTTGGGGTCCCGGAAAAACAAAAGGAGTACCTGTACCACAGGTGCCAT CGAGGTTCCAGGAGCGCGCAGGAGTACTGCACGGCATACTGTGTCGATTCTGTGTCAACAA TCCAGTGGTCATCATTTCCTTTCTGGAGAAAGGAGGCTACGCCCCAGTACTTCATCTTGA ACTTGGCAGGGTCTCGGTGTCTGTGAAGGTGCCACCATGTCTGCGCACACGTCCAGT TATTCAAAAGACGGACTCGGCCCTTGGCTGTGGCGCTCATCTGGCCGGTCTCGTCCACGG AGAACTCCGCGACGATGTTGTCTGCAAAAAGAGGCCCTCGTGTCTTCTTGCCATGCG TACCAGTCCCAGAGAGCGAGCCTTGTCGAAGTTCTCCTGACTCGAAGCTGCTACTCGNAG TCGCGCTCGCGCGCCGTTGCCAGNNGCGCACAGNAAGACGCCACACCACTTATTTGCCNA GAATCGCCACCGNAGGGAACCGCCAGCCTGC</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_006744
Insert Size:	780 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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_006744.3 , NP_006735.2
RefSeq Size:	941 bp
RefSeq ORF:	606 bp
Locus ID:	5950
UniProt ID:	P02753
Cytogenetics:	10q23.33
Domains:	lipocalin
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	<p>This protein belongs to the lipocalin family and is the specific carrier for retinol (vitamin A alcohol) in the blood. It delivers retinol from the liver stores to the peripheral tissues. In plasma, the RBP-retinol complex interacts with transthyretin which prevents its loss by filtration through the kidney glomeruli. A deficiency of vitamin A blocks secretion of the binding protein posttranslationally and results in defective delivery and supply to the epidermal cells. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) and variant 2 both encode isoform a.</p>