

Product datasheet for SC120177

RBP7 (NM_052960) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBP7 (NM_052960) Human Untagged Clone
Tag:	Tag Free
Symbol:	RBP7
Synonyms:	CRABP4; CRBP4; CRBPIV
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC120177 sequence for NM_052960 edited (data generated by NextGen Sequencing) ATGCCCGCCGACCTCAGCGGTACTTGGACCCTGCTCAGCAGCGACAACCTCGAGGGCTAC ATGCTGGCCCTAGGTATTGACTTTGCCACTCGTAAAATAGCCAAGTTGCTGAAGCCACAG AAAGTGATTGAGCAGAATGGGGATTCTTTTACCATCCACACGAACAGCAGCCTAAGGAAC TACTTTGTGAAATTTAAAGTTGGAGAAGAATTTGATGAAGATAACAGAGGCCTGGACAAC AGAAAAATGCAAGAGTTTGGTTATCTGGGACAATGACAGGCTCACCTGTATCCAGAAGGGA GAAAAGAAGAACAGAGGCTGGACCCATTGGATCGAAGGAGACAAACTCCACCTGGAATG TTCTGTGAAGTCAAGTGTGCAACAGACATTCCAGAGAGCTGA
5' Read Nucleotide Sequence:	Clone variation with respect to NM_052960.2 >OriGene 5' read for NM_052960 unedited GCACGAGCCGCGATCCCCGACCATGCCCGCCGACCTCAGCGGTACTTGGACCCTGCTCAG CAGCGACAACCTCGAGGGCTACATGCTGGCCCTAGGTATTGACTTTGCCACTCGTAAAAT AGCCAAGTTGCTGAAGCCACAGAAAGTGATTGAGCAGAATGGGGATTCTTTTACCATCCA CACGAACAGCAGCCTAAGGAACACTTTTGTGAAATTTAAAGTTGGAGAAGAATTTGATGA AGATAACAGAGGCCTGGACAACAGAAAAATGCAAGAGTTTGGTTATCTGGGACAATGACAG GCTCACCTGTATCCAGAAGGGAGAAAAGAAGAACAGAGGCTGGACCCATTGGATCGAAGG AGACAAACTCCACCTGGAATGTTCTGTGAAGGTCAAGTGTGCAACAGACATTCCAGAG AGCCTGTATCCACATCCAGCAGCAGAGCCCACTTGTGGCTGCAGCTTTATGCCAAATTATA TTGCACTGAACAGACGTTTATCTATCCATTTGGCGACGAGGACTCGTGGCTGGAGAG AGCCACACAGCGTGAACCTGAAGTCATCTAGATTATGGGGAAACTGCTCAGCTTCATAA ACCTGTCCAAATGAN
Restriction Sites:	NotI-NotI
ACCN:	NM_052960



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Insert Size:	1600 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_052960.1</u> , <u>NP_443192.1</u>
RefSeq Size:	661 bp
RefSeq ORF:	405 bp
Locus ID:	116362
UniProt ID:	<u>Q96R05</u>
Cytogenetics:	1p36.22
Domains:	lipocalin
Gene Summary:	<p>The protein encoded by this gene is a member of the cellular retinol-binding protein (CRBP) family, whose members are required for vitamin A stability and metabolism. The encoded protein binds all-trans-retinol and is structurally similar to other CRBPs; however, it has a lower binding affinity for retinol than other CRBPs. [provided by RefSeq, Aug 2016]</p> <p>Transcript Variant: This variant (1) represents the protein-coding transcript.</p>