

Product datasheet for **SC304214**

MYCBP2 (NM_015057) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MYCBP2 (NM_015057) Human Untagged Clone
Tag:	Tag Free
Symbol:	MYCBP2
Synonyms:	Myc-bp2; PAM; Phr; PHR1
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_015057, the custom clone sequence may differ by one or more nucleotides

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Restriction Sites:

Please inquire

ACCN:

NM_015057

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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).</p>
OTI Annotation:	<p>This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.</p>
Components:	<p>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).</p>
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:	<p>NM_015057.2, NP_055872.2</p>
RefSeq Size:	<p>14734 bp</p>
RefSeq ORF:	<p>13923 bp</p>
Locus ID:	<p>23077</p>
UniProt ID:	<p>O75592</p>
Cytogenetics:	<p>13q22.3</p>
Protein Families:	<p>Druggable Genome</p>
Gene Summary:	<p>This gene encodes an E3 ubiquitin-protein ligase and member of the PHR (Phr1/MYCBP2, highwire and RPM-1) family of proteins. The encoded protein plays a role in axon guidance and synapse formation in the developing nervous system. In mammalian cells, this protein regulates the cAMP and mTOR signaling pathways, and may additionally regulate autophagy. Reduced expression of this gene has been observed in acute lymphoblastic leukemia patients and a mutation in this gene has been identified in patients with a rare inherited vision defect. [provided by RefSeq, Mar 2017]</p>