

Product datasheet for **SC323754**

GTPBP9 (OLA1) (NM_001011708) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GTPBP9 (OLA1) (NM_001011708) Human Untagged Clone
Tag:	Tag Free
Symbol:	GTPBP9
Synonyms:	DOC45; GBP45; GTBP9; GTPBP9; PTD004
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001011708.1
 GGTCTGCGCGCAGGTGCCGCTCGGCGCCCGCCCGCCGTTCCGCGCTGTGCGCGCCGT
 CGTGCGTGCCGCTCGGCGGAGGGGACGGGCCTGCGTTCTCTCCTCTCTCCCGCCTC
 CAGCTGCCGGCAGGACCTTTCTCTCGCTGCCGCTGGGACCCCGTGTATCGCCAGGCCG
 AGCAGGATGCCCCCTAAAAAGGGAGGTGATGGAATTAACCAACCCCAATCATTGGAAGA
 TTTGGAACCTCACTGAAAATTGGTATTGTTGGATTGCCAATGTTGGGAAATCTACTTTC
 TTCAATGTGTTAACCAATAGTCAGGCTTCAGCAGAAAACCTCCCGTTCTGCACTATTGAT
 CCTAATGAGAGCAGAGTACCTGTGCCAGATGAAAGGTTTGACTTCTTTGTCAATACCAC
 AAACCAGCAAGCAAAATTCTGCCTTTCTAAATGTGGTGGATATTGCTGGCCTTGTGAAA
 GGAGCTCACAATGGGCAGGGCCTGGGAATGCTTTTTTATCTCATATTAGTGCCTGTGAT
 GGCATCTTTCATCTAACACGTGCTTTTGAAGATGATGATATCACGCACGTTGAAGGAAGT
 GTAGATCTTATTCGAGATATAGAAATAATACATGAAGAGCTTCAGCTTAAAGATGAGGAA
 ATGATTGGGCCATTATAGATAAACTAGAAAAGGTGGCTGTGAGAGGAGGAGATAAAAAA
 CTAACACCTGAATATGATATAATGTGCAAAGTAAATCCTGGGTATAGATCAAAAGAAA
 CCTGTTGCTTCTATCATGATTGGAATGACAAAGAGATTGAAGTGTGAAATAAACACTTA
 TTTTGTGCTTCAAAACCAATGGTCTACTTGGTTAATCTTCTGAAAAAGACTACATTAGA
 AAGAAAAACAAATGGTTGATAAAAAATTAAGAGTGGGTGGACAAGTATGACCCAGGTGCT
 TTGGTCATTCTTTTAGTGGGGCCTTGGAACTCAAGTTGCAAGAATTGAGTGTGAGGAG
 AGACAGAAGTATCTGGAAGCGAACATGACACAAAGTGCTTTGCCAAAGATCATTAAAGGT
 GGGTTTGACGACTCCAAGTAACTACTTTTCACTGCAGGCCAGATGAAGTGCCTGCA
 TGGACCATCAGGAAAGGGACTAAGGCTCCTCAGGCTGCAGGAAAGATTACACAGATTTT
 GAAAAGGGATTCTTATGGCTGAAGTAATGAAATACGAAGATTTTAAAGAGGAAGTTCT
 GAAAATGCAGTCAAGGCTGCTGGAAAGTACAGACAACAAGGCAGAAATTATATTGTTGAA
 GATGGAGATATTATCTTCTTCAAAATTAACACACCTCAACAACCGAAGAAGAAATAAAAT
 TTAGTTATTGCTCAGATAAACATACAACCTTCAAAAGGCATCTGATTTTTAAAAAATTAA
 AATTTCTGAAAACCAATGCGACAATAAAGTTGGGGAGATGGGAATCTTTGACAAACAAA
 TTATTTTTATTTGTTTTAAAAATTAATACTGTGTACCCCCCCCCCCCCATGAAATGCA
 GGTTCACTAAATGTGAACAGCTTTGCTTTTACGTGATTAAGACCCTACTCCAAATTGTA
 GAAGCTTTTTCAGGAACCATATTACTCTCATGATACTTCATTAATCTCCATCATGTATGCC
 AAGCCTGACACATTTGACAGTGAGGACAATGTGGCTTGCTCTTTTGAATCTACAGATA
 ATGCATGTTTTACAGTACTCCAGATGTCTACACTCAATAAAACATTTGACAAAACCAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_001011708

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).

OTI Annotation: 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.

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:	<u>NM_001011708.1, NP_001011708.1</u>
RefSeq Size:	4255 bp
RefSeq ORF:	717 bp
Locus ID:	29789
UniProt ID:	<u>Q9NTK5</u>
Cytogenetics:	2q31.1
Gene Summary:	This gene encodes a member of the GTPase protein family. The encoded protein interacts with breast cancer-associated gene 1 (BRCA1) and BRCA1-associated RING domain protein (BARD1), and is involved in centrosome regulation. Overexpression of this gene has been observed in multiple types of cancer and may be associated with poor survival. Pseudogenes of this gene have been defined on chromosomes 17 and 22. [provided by RefSeq, Jun 2016] Transcript Variant: This variant (2) lacks an exon in its 5' UTR and uses a downstream in-frame start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.