

Product datasheet for SC115293

GTPBP9 (OLA1) (NM_013341) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GTPBP9 (OLA1) (NM_013341) Human Untagged Clone
Tag:	Tag Free
Symbol:	GTPBP9
Synonyms:	DOC45; GBP45; GTBP9; GTPBP9; PTD004
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115293 sequence for NM_013341 edited (data generated by NextGen Sequencing)

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ATGCCCCCTAAAAAGGGAGGTGATGGAATTAACCACCCCAATCATTGGAAGATTTGGA
ACCTCACTGAAAAATTGGTATTGTTGGATTGCCAAATGTTGGGAAATCTACTTTCTCAAT
GTGTTAACCAATAGTCAGGCTTCAGCAGAAAACCTCCCGTTCTGCACTATTGATCCTAAT
GAGAGCAGAGTACCTGTGCCAGATGAAAGGTTTGACTTTCTTTGTCAATACCACAAACCA
GCAAGCAAAATTCCTGCCTTTCTAAATGTGGTGGATATTGCTGGCCTTGTGAAAGGAGCT
CACAATGGGCAGGGCCTGGGGAATGCTTTTTTATCTCATATTAGTGCCTGTGATGGCATC
TTTCATCTAACACGTGCTTTTGAAGATGATGATATCACGCACGTTGAAGGAAGTGTAGAT
CCTATTCGAGATATAGAAATAATACATGAAGAGCTTCAGCTTAAAGATGAGGAAATGATT
GGGCCATTATAGATAAACTAGAAAAGGTGGCTGTGAGAGGAGGAGATAAAAACTAAAA
CCTGAATATGATATAATGTGCAAAGTAAAATCCTGGGTTATAGATCAAAAGAAACCTGTT
CGCTTCTATCATGATTGGAATGACAAAGAGATTGAAGTGTGAATAAACACTTATTTTTG
ACTTCAAACCAATGGTCTACTTGGTTAATCTTTCTGAAAAAGACTACATTAGAAAGAAA
AACAAATGGTTGATAAAAATTAAGAGTGGGTGGACAAGTATGACCCAGGTGCTTTGGTC
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AAGTATCTGGAAGCGAACATGACACAAAGTGCTTTGCCAAAGATCATTAAAGCTGGGTTT
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ATCAGGAAAGGGACTAAGGCTCCTCAGGCTGCAGGAAAGATTCACACAGATTTTGAAAAG
GGATTCATTATGGCTGAAGTAATGAAATACGAAGATTTTAAAGAGGAAGTTCTGAAAAT
GCAGTCAAGGCTGCTGGAAGTACAGACAAAGGAGGAGAAATTATATTGTTGAAGATGGA
GATATTATCTTCTCAAATTTAACACACCTCAACAACCGAAGAAGAAATAA

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Clone variation with respect to NM_013341.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_013341 unedited
 GGGTGTCAAATATGTATACGACTCACTATAGGCGGCCGCGATTCCGGCACGAGGGCCGCT
 CGGCGNGAGGGACGGGCCTGCGTTCTCTCCTCCTCCTCCCGCCTCCAGCTGCCGGCAG
 GACCTTCTCTCGCTGCCGCTGGGACCCCGTGTATCGCCAGGCCGAGCACGATGCCCC
 CTA AAAAGGGAGGTGATGGAATTAACCACCCCAATCATTGGAAGATTTGGAACCTCAC
 TGA AAAATTGGTATTGTTGGATTGCCAAAATGTTGGGAAATCTACTTTCTTCAATGTGTTAA
 CCAATAGTCAGGCTTCAGCAGAAAACCTCCCGTCTGCACTATTGATCCTAATGAGAGCA
 GAGTACCTGTGCCAGATGAAAGGTTTGACTTTCTTTGTCAATACCACAAACCAGCAAGCA
 AAATTCCTGCCTTTCTAAATGTGGTGGATATTGCTGGCCTTGTAAGGAGCTCACAAATG
 GGCAGGGCCTGGGAATGCTTTTTTATCTCATATTAGTGCCTGTGATGGCATCTTTCATC
 TAACACGTGCTTTGAAGATGATGATATCACGCACGTTGAAGGAAGTGTAGATCCTATTC
 GAGATATAGAAAATAACATGAAGAGCTTCAGCTTANAGATGAAGAAATGATTGNGCCCA
 TTATAGATAAACTAGAAAAGGTGGCTGTGAGAGGAGGAGATAAAAACCTGAATA
 TGATATAATGTGCAAAGTAAAATCCTGGGTTATAGATCAAAGAAACCTGTTGCTTCTA
 TCATGATTGGGATGACANAGAGATTGAAGTGTGAAATAACACTATTTTTTTGACTTCAA
 AACCAATGTTCTACTTGGNTAATCTTTCTGAAAAGACTACTTTAGAAAGAAAACAAATG
 GTTGATTA AAAATTAAGAATGGGTGGACAGTATGACCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_013341 unedited
 CCCCCCNCCCCCNCCCCNCCCCNCCCCNCCCCNCCCCCTTGACTTTGGACCGCGGNCC
 GCATNCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTGGTTTTGTCAAAGTTTTATTGAGTGT
 AGACATCTGGAGTACTGTAAAACATGCATTATCTGTAGATTCAAAAAGGAGCAAGCCACA
 TTGTCCTCACTGTCAAATGTGTCAGGCTTGGCATACATGATGGAGATTAATGAAGTATCA
 TGAGAGTAATATGGTTCCCTGAAAAGCTTACAATTTGGAGTAGGGTCTTAATCAGTGA
 AAAGCAAAGCTGTTACATTTAGTGAACCTGCATTTTCATGGGGGGGNGGGGGGTACACA
 GTATTTTAAATTTAAAACAAATAAAAAATAATTTGTTTGTCAAAGATTTCCCATCTCCCAA
 CTTTATTTGTGCGCATTGGTTTTTCAGAAATTTAATTTTTTAAAAATCAGATGCCTTTTGG
 AAGTTGTATGTTTATCTGAGCAATAACTAAATTTATTTCTTCTCGGTTGTTGAGGTTGT
 GTTAAATTTGAAGAAGATAATATCTCCATCTTCAACAATAAATTTCTGCCTTGTGTCT
 GTACTTTCCAGCAGCCTTGACTGCATTTTCAGAACCTTCCTCTTAAAAATCTTCTATTT
 CATTACTTCAGCCATAATGAATCCTTTTCAAAAACCTGTGTGAATCTTTCCTGCAGCCTG
 GAGAGCCTTAGCCCTTCCCTGATGGCCATGCACCCACTTCATCTGGGCCTGCCATGAAA
 AATATTCTAGTTGGAATGCTGCAAACCCCCCTAATGGTCTTTGCAAACACCTTTGT
 GCCATGTTCCGTTCAAAACCTTCTGCTCTCCTTAACACTCAAATTTTTGCAACTTGG
 ATTCCAAGGCCCTTAACAAGAAT

Restriction Sites:

NotI-NotI

ACCN:

NM_013341

Insert Size:

1680 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:

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_013341.3](#), [NP_037473.3](#)

RefSeq Size: 4356 bp

RefSeq ORF: 1191 bp

Locus ID: 29789

UniProt ID: [Q9NTK5](#)

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 (1) represents the longest transcript and encodes the longest 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.