

## Product datasheet for RC210616L4V

## OriGene Technologies, Inc.

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## G3BP (G3BP1) (NM\_198395) Human Tagged ORF Clone Lentiviral Particle

**Product data:** 

**Product Type:** Lentiviral Particles

**Product Name:** G3BP (G3BP1) (NM\_198395) Human Tagged ORF Clone Lentiviral Particle

Symbol: G3BP

Synonyms: G3BP; HDH-VIII

Mammalian Cell

Puromycin

Selection:

Vector:

pLenti-C-mGFP-P2A-Puro (PS100093)

Tag: mGFP

**ACCN:** NM\_198395 **ORF Size:** 1398 bp

**ORF Nucleotide** 

The ORF insert of this clone is exactly the same as(RC210616).

Sequence:

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

**RefSeg:** NM 198395.1, NP 938405.1

 RefSeq Size:
 2824 bp

 RefSeq ORF:
 1401 bp

 Locus ID:
 10146

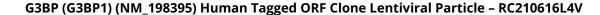
 UniProt ID:
 Q13283

 Cytogenetics:
 5q33.1

**Protein Families:** Druggable Genome

**MW:** 52.1 kDa







## **Gene Summary:**

This gene encodes one of the DNA-unwinding enzymes which prefers partially unwound 3'-tailed substrates and can also unwind partial RNA/DNA and RNA/RNA duplexes in an ATP-dependent fashion. This enzyme is a member of the heterogeneous nuclear RNA-binding proteins and is also an element of the Ras signal transduction pathway. It binds specifically to the Ras-GTPase-activating protein by associating with its SH3 domain. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. [provided by RefSeq, Jul 2008]