

## Product datasheet for RC203258L2V

## OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

## HBA-T2 (HBB) (NM\_000518) Human Tagged ORF Clone Lentiviral Particle

**Product data:** 

Product Type: Lentiviral Particles

Product Name: HBA-T2 (HBB) (NM\_000518) Human Tagged ORF Clone Lentiviral Particle

Symbol: HBA-T2

**Synonyms:** beta-globin; CD113t-C; ECYT6

Mammalian Cell

Selection:

None

**Vector:** pLenti-C-mGFP (PS100071)

Tag: mGFP

**ACCN:** NM\_000518

ORF Size: 441 bp

**ORF Nucleotide** 

The ORF insert of this clone is exactly the same as(RC203258).

OTI Disclaimer:

Sequence:

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 000518.4

 RefSeq Size:
 626 bp

 RefSeq ORF:
 444 bp

 Locus ID:
 3043

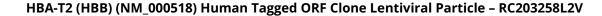
 UniProt ID:
 P68871

 Cytogenetics:
 11p15.4

 Domains:
 globin

 MW:
 16 kDa







## **Gene Summary:**

The alpha (HBA) and beta (HBB) loci determine the structure of the 2 types of polypeptide chains in adult hemoglobin, Hb A. The normal adult hemoglobin tetramer consists of two alpha chains and two beta chains. Mutant beta globin causes sickle cell anemia. Absence of beta chain causes beta-zero-thalassemia. Reduced amounts of detectable beta globin causes beta-plus-thalassemia. The order of the genes in the beta-globin cluster is 5'-epsilon --gamma-G -- gamma-A -- delta -- beta--3'. [provided by RefSeq, Jul 2008]