

Product datasheet for RC210204L2V

OriGene Technologies, Inc.

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BMP9 (GDF2) (NM_016204) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: BMP9 (GDF2) (NM 016204) Human Tagged ORF Clone Lentiviral Particle

Symbol: BMP9

Synonyms: BMP-9; BMP9; HHT5

Mammalian Cell

Selection:

None

Vector: pLenti-C-mGFP (PS100071)

Tag: mGFP

ACCN: NM_016204 **ORF Size:** 1287 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC210204).

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 016204.1

 RefSeq Size:
 1955 bp

 RefSeq ORF:
 1290 bp

 Locus ID:
 2658

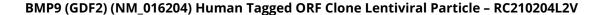
 UniProt ID:
 Q9UK05

 Cytogenetics:
 10q11.22

Protein Families: Druggable Genome, Secreted Protein

MW: 47.3 kDa







Gene Summary:

This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This protein regulates cartilage and bone development, angiogenesis and differentiation of cholinergic central nervous system neurons. Mutations in this gene are associated with hereditary hemorrhagic telangiectasia. [provided by RefSeq, Jul 2016]