

Product datasheet for RC204116L4V

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

HIPPI (IFT57) (NM_018010) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: HIPPI (IFT57) (NM_018010) Human Tagged ORF Clone Lentiviral Particle

Symbol: HIPPI

Synonyms: ESRRBL1; HIPPI; MHS4R2; OFD18

Mammalian Cell

Selection:

Puromycin

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

Tag: mGFP

ACCN: NM_018010 **ORF Size:** 1287 bp

ORF Nucleotide

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Sequence:

The ORF insert of this clone is exactly the same as(RC204116).

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 018010.2

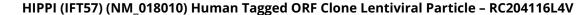
RefSeq Size: 3223 bp
RefSeq ORF: 1290 bp
Locus ID: 55081
UniProt ID: Q9NWB7

Cytogenetics: 3q13.12-q13.13

Protein Families: Druggable Genome

Protein Pathways: Huntington's disease





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MW: 49.1 kDa

Gene Summary: Required for the formation of cilia. Plays an indirect role in sonic hedgehog signaling, cilia

being required for all activity of the hedgehog pathway (By similarity). Has pro-apoptotic function via its interaction with HIP1, leading to recruit caspase-8 (CASP8) and trigger apoptosis. Has the ability to bind DNA sequence motif 5'-AAAGACATG-3' present in the promoter of caspase genes such as CASP1, CASP8 and CASP10, suggesting that it may act as a

transcription regulator; however the relevance of such function remains unclear.

[UniProtKB/Swiss-Prot Function]