

Product datasheet for RC202517L3

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OriGene Technologies, Inc.

HOOK1 (NM_015888) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: HOOK1 (NM_015888) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: HOOK1

Synonyms: HK1

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

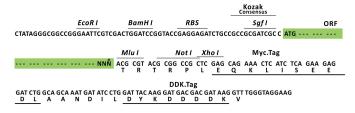
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC202517).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_015888

ORF Size: 2184 bp





HOOK1 (NM_015888) Human Tagged Lenti ORF Clone - RC202517L3

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.

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: <u>NM 015888.4</u>

RefSeq Size:5865 bpRefSeq ORF:2187 bpLocus ID:51361UniProt ID:Q9UIC3

Cytogenetics: 1p32.1

MW: 84.6 kDa

Gene Summary: This gene encodes a member of the hook family of coiled-coil proteins, which bind to

microtubules and organelles through their N- and C-terminal domains, respectively. The encoded protein localizes to discrete punctuate subcellular structures, and interacts with several members of the Rab GTPase family involved in endocytosis. It is thought to link endocytic membrane trafficking to the microtubule cytoskeleton. Several alternatively spliced transcript variants have been identified, but the full-length nature of some of these variants

has not been determined. [provided by RefSeq, Jul 2008]