

Product datasheet for RC205979L2

OriGene Technologies, Inc.

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RanBP16 (XPO7) (NM_015024) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: RanBP16 (XPO7) (NM 015024) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: RanBP16

Synonyms: EXP7; RANBP16

Mammalian Cell None

Selection:

Vector: pLenti-C-mGFP (PS100071)

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

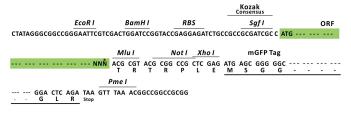
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC205979).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_015024

ORF Size: 3261 bp





RanBP16 (XPO7) (NM_015024) Human Tagged Lenti ORF Clone - RC205979L2

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 015024.2</u>

RefSeq Size: 4880 bp
RefSeq ORF: 3264 bp
Locus ID: 23039
UniProt ID: Q9UIA9
Cytogenetics: 8p21.3

Domains: IBN_NT

Protein Families: Druggable Genome

MW: 124 kDa

Gene Summary: The transport of protein and large RNAs through the nuclear pore complexes (NPC) is an

energy-dependent and regulated process. The import of proteins with a nuclear localization signal (NLS) is accomplished by recognition of one or more clusters of basic amino acids by the importin-alpha/beta complex; see MIM 600685 and MIM 602738. The small GTPase RAN (MIM 601179) plays a key role in NLS-dependent protein import. RAN-binding protein-16 is a member of the importin-beta superfamily of nuclear transport receptors. [supplied by OMIM,

Jul 2002]