

## Product datasheet for RC231423L4

#### OriGene Technologies, Inc.

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## Importin 8 (IPO8) (NM\_001190995) Human Tagged Lenti ORF Clone

### **Product data:**

**Product Type:** Expression Plasmids

Product Name: Importin 8 (IPO8) (NM\_001190995) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: Importin 8
Synonyms: RANBP8

Selection:

**Mammalian Cell** 

Puromycin

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

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

ORF Nucleotide The ORF inse

Sequence:

The ORF insert of this clone is exactly the same as(RC231423).

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF

**ACCN:** NM\_001190995

ORF Size: 2496 bp



#### Importin 8 (IPO8) (NM\_001190995) Human Tagged Lenti ORF Clone - RC231423L4

**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 001190995.1</u>, <u>NP 001177924.1</u>

 RefSeq ORF:
 2499 bp

 Locus ID:
 10526

 UniProt ID:
 015397

 Cytogenetics:
 12p11.21

 MW:
 96.5 kDa

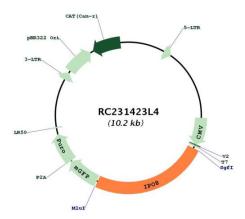
**Gene Summary:** The importin-alpha/beta complex and the GTPase Ran mediate nuclear import of proteins

with a classical nuclear localization signal. The protein encoded by this gene is a member of a class of approximately 20 potential Ran targets that share a sequence motif related to the Ran-binding site of importin-beta. This protein binds to the nuclear pore complex and, along with RanGTP and RANBP1, inhibits the GAP stimulation of the Ran GTPase. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

[provided by RefSeq, Jul 2010]



# **Product images:**



Circular map for RC231423L4