

Product datasheet for RC212488L3

OriGene Technologies, Inc.

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Rabenosyn 5 (RBSN) (NM_022340) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Rabenosyn 5 (RBSN) (NM_022340) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Rabenosyn 5

Synonyms: Rabenosyn-5; ZFYVE20

Mammalian Cell Puromycin

Selection:

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

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

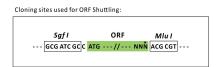
ORF Nucleotide The ORF insert of this clo

Sequence:

The ORF insert of this clone is exactly the same as(RC212488).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





st The last codon before the Stop codon of the ORF.

ACCN: NM_022340

ORF Size: 2354 bp





Rabenosyn 5 (RBSN) (NM_022340) Human Tagged Lenti ORF Clone - RC212488L3

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 022340.2</u>

 RefSeq Size:
 6678 bp

 RefSeq ORF:
 2355 bp

 Locus ID:
 64145

 UniProt ID:
 Q9H1K0

 Cytogenetics:
 3p25.1

Domains: FYVE

Protein Families: Transcription Factors

Protein Pathways: Endocytosis MW: 88.9 kDa

Gene Summary: This gene encodes a protein that belongs to the FYVE zinc finger family of proteins. The

encoded protein interacts with Ras-related proteins that regulate membrane trafficking. A missense mutation in this gene is associated with a defect in the early endocytic pathway. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]