

Product datasheet for RC218948L4

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OriGene Technologies, Inc.

EYA3 (NM_001990) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: EYA3 (NM_001990) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: EYA3

Mammalian Cell Puromycin

Selection:

Vector:

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

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

ORF Nucleotide

Sequence:

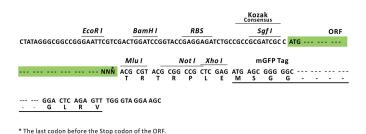
ACCN:

The ORF insert of this clone is exactly the same as(RC218948).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





NM_001990

ORF Size: 1719 bp

EYA3 (NM_001990) Human Tagged Lenti ORF Clone - RC218948L4

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 001990.3</u>

RefSeq Size:6040 bpRefSeq ORF:1722 bp

Locus ID: 2140 **UniProt ID:** Q99504

Cytogenetics: 1p35.3

Domains: Hydrolase

Protein Families: Phosphatase, Transcription Factors

MW: 62.7 kDa

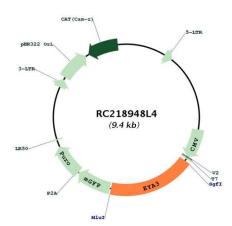
Gene Summary: This gene encodes a member of the eyes absent (EYA) family of proteins. The encoded

protein may act as a transcriptional activator and have a role during development. It can act as a mediator of chemoresistance and cell survival in Ewing sarcoma cells, where this gene is up-regulated via a micro-RNA that binds to the 3' UTR of the transcript. A similar protein in mice acts as a transcriptional activator. Alternative splicing of this gene results in multiple

transcript variants. [provided by RefSeq, Sep 2013]



Product images:



Circular map for RC218948L4