

Product datasheet for RC201553L3

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RPS4Y1 (NM_001008) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: RPS4Y1 (NM_001008) Human Tagged Lenti ORF Clone

Tag:Myc-DDKSymbol:RPS4Y1Synonyms:RPS4Y; S4

Mammalian Cell Puromycin

Selection:

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

Sgfl-Mlul

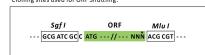
E. coli Selection: Chloramphenicol (34 ug/mL)

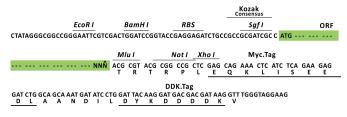
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC201553).

Sequence:

Restriction Sites: Cloning Scheme:

Cloning sites used for ORF Shuttling:





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

ACCN: NM_001008

ORF Size: 789 bp



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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 001008.3</u>

 RefSeq Size:
 910 bp

 RefSeq ORF:
 792 bp

 Locus ID:
 6192

 UniProt ID:
 P22090

Cytogenetics:

Domains: Ribosomal S4e, S4, KOW

Yp11.2

Protein Pathways: Ribosome MW: 29.3 kDa

Gene Summary: Cytoplasmic ribosomes, organelles that catalyze protein synthesis, consist of a small 40S

subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes ribosomal protein S4, a component of the 40S subunit. Ribosomal protein S4 is the only ribosomal protein known to be encoded by more than one gene, namely this gene and ribosomal protein S4, X-linked (RPS4X). The 2 isoforms encoded by these genes are not identical, but are functionally equivalent. Ribosomal protein S4 belongs to the S4E family of ribosomal proteins. It has been suggested that haploinsufficiency of the ribosomal protein S4 genes plays a role in Turner syndrome; however, this hypothesis is controversial. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed

through the genome. [provided by RefSeq, Jul 2008]