

Product datasheet for RC217852L4

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OriGene Technologies, Inc.

NRF1 (NM_001040110) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: NRF1 (NM_001040110) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: NRF1

Synonyms: ALPHA-PAL

Mammalian Cell Puromycin

Selection:

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

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

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC217852).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_001040110

ORF Size: 1509 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with

0.22um filter is required.

RefSeq: <u>NM 001040110.1</u>

 RefSeq Size:
 3523 bp

 RefSeq ORF:
 1512 bp

 Locus ID:
 4899

 UniProt ID:
 016656

Cytogenetics: 7q32.2

Protein Families: Transcription Factors
Protein Pathways: Huntington's disease

MW: 53.4 kDa

Gene Summary: This gene encodes a protein that homodimerizes and functions as a transcription factor

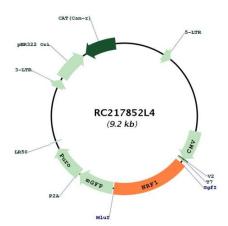
which activates the expression of some key metabolic genes regulating cellular growth and

nuclear genes required for respiration, heme biosynthesis, and mitochondrial DNA transcription and replication. The protein has also been associated with the regulation of neurite outgrowth. Alternative splicing results in multiple transcript variants. Confusion has occurred in bibliographic databases due to the shared symbol of NRF1 for this gene and for "nuclear factor (erythroid-derived 2)-like 1" which has an official symbol of NFE2L1. [provided

by RefSeq, May 2014]



Product images:



Circular map for RC217852L4