

Product datasheet for RC226689L2

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Nrf2 (NFE2L2) (NM_001145413) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Nrf2 (NFE2L2) (NM_001145413) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: Nrf2

Synonyms: HEBP1; IMDDHH; Nrf-2; NRF2

Mammalian Cell None

Selection:

Vector: pLenti-C-mGFP (PS100071)

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

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC226689).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



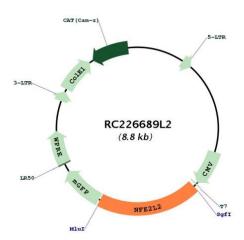


^{*} The last codon before the Stop codon of the ORF.





Plasmid Map:



ACCN: NM_001145413

ORF Size: 1746 bp

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: NM 001145413.1

RefSeq ORF: 1749 bp

Locus ID: 4780



Nrf2 (NFE2L2) (NM_001145413) Human Tagged Lenti ORF Clone - RC226689L2

UniProt ID: Q16236

Cytogenetics: 2q31.2

Protein Families: Transcription Factors

MW: 65.2 kDa

Gene Summary: This gene encodes a transcription factor which is a member of a small family of basic leucine

zipper (bZIP) proteins. The encoded transcription factor regulates genes which contain antioxidant response elements (ARE) in their promoters; many of these genes encode proteins involved in response to injury and inflammation which includes the production of free radicals. Multiple transcript variants encoding different isoforms have been characterized

for this gene. [provided by RefSeq, Sep 2015]