Product datasheet for RC213441L2

ORP1 (OSBPL1A) (NM_080597) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ORP1 (OSBPL1A) (NM_080597) Human Tagged ORF Clone
Tag: mGFP
Symbol: OSBPL1A
Synonyms: ORP-1; ORP1; OSBPL1B
Vector: pLenti-C-mGFP (PS100071)
E. coli Selection: Chloramphenicol (34 ug/mL)
Cell Selection: None

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as RC213441.

Restriction Sites: SgfI-MluI
Cloning Scheme:

```
  SgfI    ORF    MluI
  ------    -------    -----
  ATG ---/--- NN--- ATG ---
  ACC CGT
```

ACCN: NM_080597
ORF Size: 2850 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.

RefSeq: NM_080597.2, NP_542164.2
RefSeq Size: 4165 bp
RefSeq ORF: 2853 bp
Locus ID: 114876
Cytogenetics: 18q11.2
Domains: Oxysterol_BP, PH, ANK
MW: 108.3 kDa
Gene Summary: This gene encodes a member of the oxysterol-binding protein (OSBP) family, a group of intracellular lipid receptors. Most members contain an N-terminal pleckstrin homology domain and a highly conserved C-terminal OSBP-like sterol-binding domain, although some members contain only the sterol-binding domain. Transcript variants derived from alternative promoter usage and/or alternative splicing exist; they encode different isoforms. [provided by RefSeq, Jul 2008]