

Product datasheet for RC206403L4

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ITM2C (NM_001012516) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: ITM2C (NM_001012516) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: ITM2C

Synonyms: BRI3; BRICD2C; E25; E25C; ITM3

Mammalian Cell Puromycin

Selection:

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

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

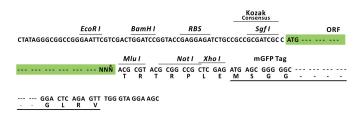
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC206403).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_001012516

ORF Size: 690 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 001012516.1</u>

 RefSeq Size:
 1949 bp

 RefSeq ORF:
 693 bp

 Locus ID:
 81618

 UniProt ID:
 Q9NQX7

Cytogenetics: 2q37.1

Protein Families: Transmembrane

MW: 26 kDa

Gene Summary: Negative regulator of amyloid-beta peptide production. May inhibit the processing of APP by

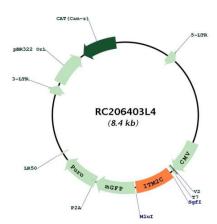
blocking its access to alpha- and beta-secretase. Binding to the beta-secretase-cleaved APP C-terminal fragment is negligible, suggesting that ITM2C is a poor gamma-secretase cleavage

inhibitor. May play a role in TNF-induced cell death and neuronal differentiation (By

similarity).[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for RC206403L4