

Product datasheet for RC223852L2

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com

OriGene Technologies, Inc.

EU: info-de@origene.com CN: techsupport@origene.cn

BTN1A1 (NM_001732) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: BTN1A1 (NM 001732) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: BTN1A1

Synonyms: BT; BTN; BTN1

Mammalian Cell None

Selection:

Vector: pLenti-C-mGFP (PS100071)

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

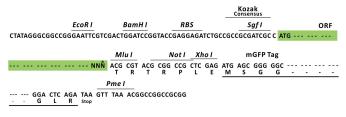
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC223852).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_001732

ORF Size: 1578 bp





BTN1A1 (NM_001732) Human Tagged Lenti ORF Clone - RC223852L2

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 001732.1</u>, <u>NP 001723.1</u>

 RefSeq Size:
 2901 bp

 RefSeq ORF:
 1581 bp

 Locus ID:
 696

UniProt ID: Q13410
Cytogenetics: 6p22.2

Protein Families: Druggable Genome, Transmembrane

MW: 58.8 kDa

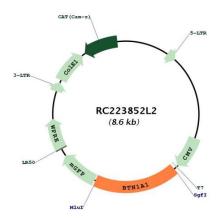
Gene Summary: Butyrophilin is the major protein associated with fat droplets in the milk. It is a member of the

immunoglobulin superfamily. It may have a cell surface receptor function. The human butyrophilin gene is localized in the major histocompatibility complex (MHC) class I region of 6p and may have arisen relatively recently in evolution by the shuffling of exons between 2

ancestral gene families [provided by RefSeq, Jul 2008]



Product images:



Circular map for RC223852L2