

Product datasheet for RC201297L4

OriGene Technologies, Inc.

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Asparagine synthetase (ASNS) (NM_001673) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Asparagine synthetase (ASNS) (NM_001673) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: Asparagine synthetase

Synonyms: ASNSD; TS11

Mammalian Cell Puromycin

Selection:

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

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

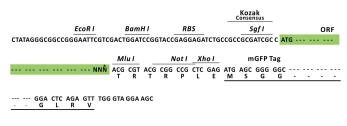
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC201297).

Sgfl-Mlul

Sequence:

Cloning Scheme:

Restriction Sites:



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

ACCN: NM_001673

ORF Size: 1683 bp

Asparagine synthetase (ASNS) (NM_001673) Human Tagged Lenti ORF Clone - RC201297L4

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 001673.2</u>

RefSeq Size:2084 bpRefSeq ORF:1686 bp

UniProt ID: P08243

Locus ID:

Cytogenetics:

Domains: GATase 2, Asn synthase

440

7q21.3

Protein Families: Druggable Genome

Protein Pathways: Alanine, aspartate and glutamate metabolism, Metabolic pathways, Nitrogen metabolism

MW: 64.4 kDa

Gene Summary: The protein encoded by this gene is involved in the synthesis of asparagine. This gene

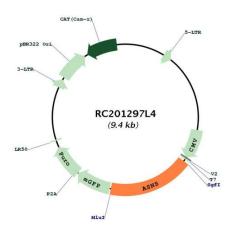
complements a mutation in the temperature-sensitive hamster mutant ts11, which blocks

progression through the G1 phase of the cell cycle at nonpermissive temperature. Alternatively spliced transcript variants have been described for this gene. [provided by

RefSeg, May 2010]



Product images:



Circular map for RC201297L4