

Product datasheet for MR201234L3

Edn2 (NM_007902) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Edn2 (NM_007902) Mouse Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Edn2

Synonyms: ET-2; PPET2; V; VIC

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

Sgfl-Mlul

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

ORF Nucleotide The ORF insert of this clone is exactly the same as(MR201234).

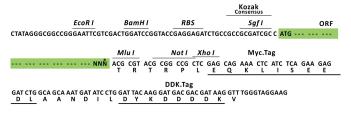
Sequence:

Restriction Sites: Cloning Scheme:

Cloning sites used for ORF Shuttling:

Sgf 1 ORF Miu I

GGG ATC GC ATG ---//--- NNN ACG CGT ---



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



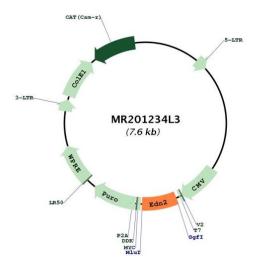
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Plasmid Map:



ACCN: NM_007902

ORF Size: 528 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: <u>NM 007902.2</u>

RefSeq Size: 1296 bp RefSeq ORF: 528 bp



Edn2 (NM_007902) Mouse Tagged Lenti ORF Clone - MR201234L3

 Locus ID:
 13615

 UniProt ID:
 P22389

 Cytogenetics:
 4 D2.1

Gene Summary: This gene encodes a member of the endothelin family of peptides. The encoded

preproprotein undergoes proteolytic processing to generate a potent vasoconstrictive peptide. This gene is abundantly expressed in the gastrointestinal tract, strongly induced in photorecepteror cells in retinal diseases and injury, and produced by microglia and macrophages in the early stages of glaucoma. Mice lacking the encoded protein exhibit severe growth retardation, hypothermia and juvenile lethality. [provided by RefSeq, Feb 2016]