

Product datasheet for MR203320L3

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Product data:

Product Type: Expression Plasmids

Product Name: Zfand2b (NM_001159905) Mouse Tagged Lenti ORF Clone

Zfand2b (NM 001159905) Mouse Tagged Lenti ORF Clone

Tag: Myc-DDK Symbol: Zfand2b

Synonyms: 1110060O18Rik; C81256

Mammalian Cell Puromycin

Selection:

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

Sgfl-Mlul

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

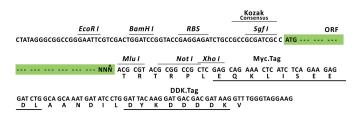
ORF Nucleotide The ORF insert of this clone is exactly the same as(MR203320).

Sequence:

Restriction Sites: Cloning Scheme:

Sgf 1 ORF Mlu 1

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



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

ACCN: NM_001159905

ORF Size: 774 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 001159905.1</u>, <u>NP 001153377.1</u>

RefSeq Size: 1206 bp
RefSeq ORF: 774 bp
Locus ID: 68818
UniProt ID: Q91X58
Cytogenetics: 1 C4

Gene Summary: Plays a role in protein homeostasis by regulating both the translocation and the ubiquitin-

mediated proteasomal degradation of nascent proteins at the endoplasmic reticulum (PubMed:24160817, PubMed:26337389, PubMed:26692333). It is involved in the regulation of

signal-mediated translocation of proteins into the endoplasmic reticulum

(PubMed:24160817). It also plays a role in the ubiquitin-mediated proteasomal degradation of proteins for which signal-mediated translocation to the endoplasmic reticulum has failed

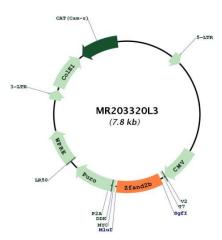
(PubMed:18467495, PubMed:26337389). May therefore function in the endoplasmic

reticulum stress-induced pre-emptive quality control, a mechanism that selectively attenuates the translocation of newly synthesized proteins into the endoplasmic reticulum and reroutes them to the cytosol for proteasomal degradation (PubMed:24160817, PubMed:26337389). By controlling the steady-state expression of the IGF1R receptor, indirectly regulates the insulinlike growth factor receptor signaling pathway (PubMed:26692333).[UniProtKB/Swiss-Prot

Function]



Product images:



Circular map for MR203320L3