

Product datasheet for RC204862L3

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OriGene Technologies, Inc.

MANBA (NM_005908) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: MANBA (NM 005908) Human Tagged Lenti ORF Clone

Tag:Myc-DDKSymbol:MANBASynonyms:MANB1

Mammalian Cell Puromycin

Selection:

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

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

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC204862).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_005908

ORF Size: 2637 bp





MANBA (NM_005908) Human Tagged Lenti ORF Clone - RC204862L3

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 005908.3</u>

RefSeq Size:3311 bpRefSeq ORF:2640 bpLocus ID:4126

UniProt ID: <u>000462</u> Cytogenetics: 4q24

Domains: Glyco hydro 2 C

Protein Pathways: Lysosome, Other glycan degradation

MW: 100.9 kDa

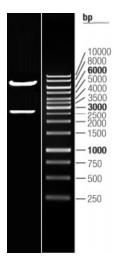
Gene Summary: This gene encodes a member of the glycosyl hydrolase 2 family. The encoded protein

localizes to the lysosome where it is the final exoglycosidase in the pathway for N-linked glycoprotein oligosaccharide catabolism. Mutations in this gene are associated with betamannosidosis, a lysosomal storage disease that has a wide spectrum of neurological

involvement. [provided by RefSeq, Jul 2008]



Product images:



Double digestion of RC204862L3 using Sgfl and Mlul $\,$