

Product datasheet for RC223258L3

OriGene Technologies, Inc.

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Matrin 3 (MATR3) (NM_018834) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Matrin 3 (MATR3) (NM_018834) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: Matrin 3

Synonyms: ALS21; MPD2; VCPDM

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 cl

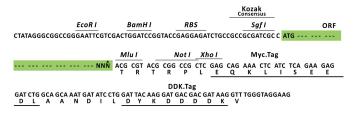
Sequence:

The ORF insert of this clone is exactly the same as(RC223258).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_018834

ORF Size: 2541 bp





Matrin 3 (MATR3) (NM_018834) Human Tagged Lenti ORF Clone - RC223258L3

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 018834.4</u>

RefSeq Size: 3921 bp RefSeq ORF: 2544 bp

Locus ID: 9782

 UniProt ID:
 P43243

 Cytogenetics:
 5q31.2

Domains: RRM, ZnF U1

MW: 94.4 kDa

Gene Summary: This gene encodes a nuclear matrix protein, which is proposed to stabilize certain messenger

RNA species. Mutations of this gene are associated with distal myopathy 2, which often includes vocal cord and pharyngeal weakness. Alternatively spliced transcript variants, including read-through transcripts composed of the upstream small nucleolar RNA host gene 4 (non-protein coding) and matrin 3 gene sequence, have been identified. Pseudogenes of

this gene are located on chromosomes 1 and X. [provided by RefSeq, Aug 2013]