

# Product datasheet for RC226215L3

#### OriGene Technologies, Inc.

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## MRP4 (ABCC4) (NM\_001105515) Human Tagged Lenti ORF Clone

### **Product data:**

**Product Type:** Expression Plasmids

Product Name: MRP4 (ABCC4) (NM 001105515) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: MRP4

Synonyms: MOAT-B; MOATB; MRP4

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 clo

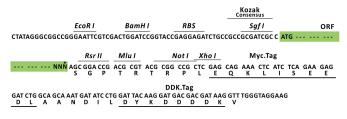
Sequence:

The ORF insert of this clone is exactly the same as(RC226215).

**Restriction Sites:** Sgfl-Rsrll

**Cloning Scheme:** 





st The last codon before the Stop codon of the ORF.

**ACCN:** NM\_001105515

ORF Size: 2577 bp





### MRP4 (ABCC4) (NM\_001105515) Human Tagged Lenti ORF Clone - RC226215L3

**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 001105515.1</u>

 RefSeq ORF:
 2580 bp

 Locus ID:
 10257

 UniProt ID:
 015439

 Cytogenetics:
 13q32.1

**Protein Families:** Druggable Genome, Ion Channels: Other, Transmembrane

**Protein Pathways:** ABC transporters

**MW:** 96.7 kDa

**Gene Summary:** The protein encoded by this gene is a member of the superfamily of ATP-binding cassette

(ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MRP subfamily which is involved in multi-drug resistance. This family member plays a role in cellular detoxification as a pump for its substrate, organic anions. It may also function in prostaglandin-mediated cAMP

signaling in ciliogenesis. Alternative splicing of this gene results in multiple transcript variants.

[provided by RefSeq, Sep 2014]