

Product datasheet for **MR218150**

D130043K22Rik (NM_001081051) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	D130043K22Rik (NM_001081051) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	D130043K22Rik
Synonyms:	4930451E12Rik; Kiaa0319
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR218150 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGC**

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Protein Sequence:

>MR218150 protein sequence
Red=Cloning site Green=Tags(s)

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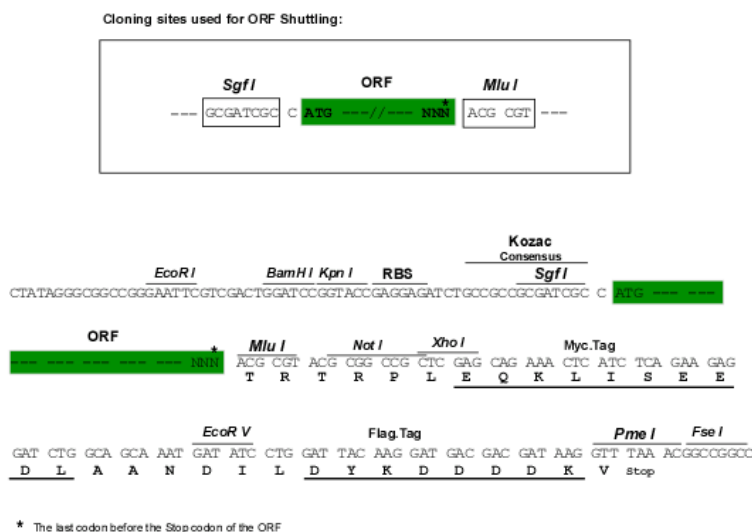
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM 001081051

ORF Size: 3243 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001081051.1, NM_001081051.2, NP_001074520.1

RefSeq Size: 4977 bp

RefSeq ORF: 3246 bp

Locus ID: 210108

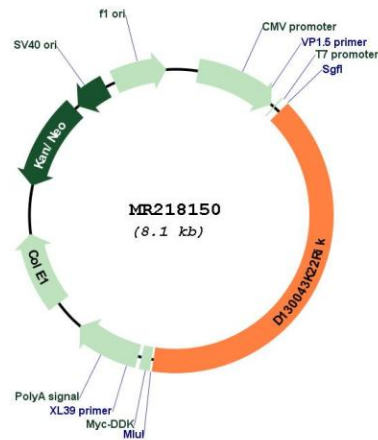
UniProt ID: [Q5SZV5](#)

Cytogenetics: 13 A3.1

MW: 118 kDa

Gene Summary: This gene encodes a transmembrane protein that contains a large extracellular domain with multiple polycystic kidney disease (PKD) domains. The encoded protein may play a role in the development of the cerebral cortex by regulating neuronal migration and cell adhesion. Single nucleotide polymorphisms in a similar gene in human are associated with dyslexia. Alternatively spliced transcript variants have been identified. [provided by RefSeq, May 2015]

Product images:



Circular map for MR218150