

Product datasheet for **MR210808**

Efr3a (NM_133766) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Efr3a (NM_133766) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Efr3a
Synonyms:	A130089M23Rik; BB071175; C76891; C920006C10Rik; D030063F01Rik; mKIAA0143
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR210808 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

 ATGCCTACCCGGGTGTGCTGCTGCTGCTGCTTTCGCTCCTCGCTACAAACGTCTGGTGGACAACATAT
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 TCTTGGACAAATTTCTTTGTCAAATTTGCAAATATTGAAGAAGATACACCGTCTATCATAGACGTTAT
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Protein Sequence:

>MR210808 protein sequence

Red=Cloning site Green=Tags(s)

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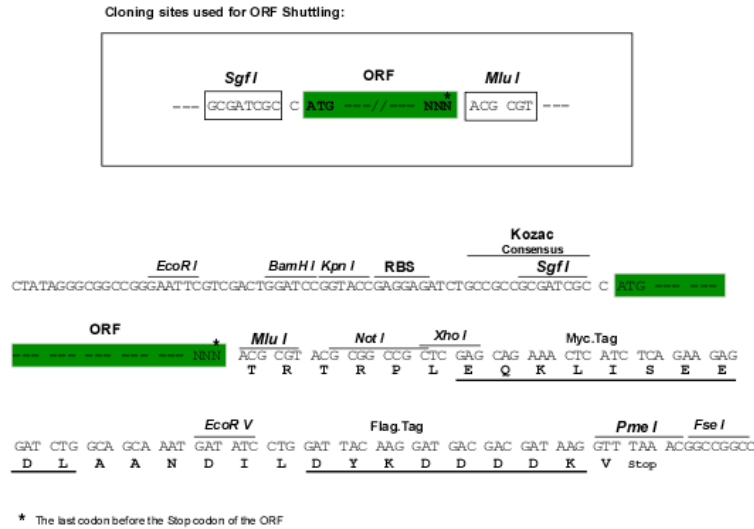
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:	NM_133766
ORF Size:	2457 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_133766.1](#)

RefSeq Size: 5210 bp

RefSeq ORF: 2460 bp

Locus ID: 76740

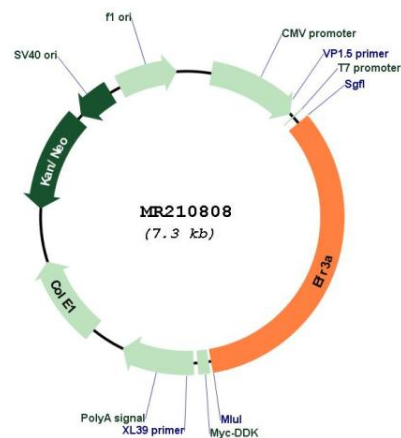
UniProt ID: [Q8BG67](#)

Cytogenetics: 15 D1

MW: 92.6 kDa

Gene Summary: Component of a complex required to localize phosphatidylinositol 4-kinase (PI4K) to the plasma membrane. The complex acts as a regulator of phosphatidylinositol 4-phosphate (PtdIns(4)P) synthesis. In the complex, EFR3A probably acts as the membrane-anchoring component. Also involved in responsiveness to G-protein-coupled receptors; it is however unclear whether this role is direct or indirect.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210808