

Product datasheet for MR220928

Kalrn (NM_177357) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kalrn (NM_177357) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kalrn
Synonyms:	2210407G14Rik; AV235988; DUET; E530005C20Rik; Gm539; Hapip; TRAD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR220928 representing NM_177357 Red=Cloning site Blue=ORF Green=Tags(s)

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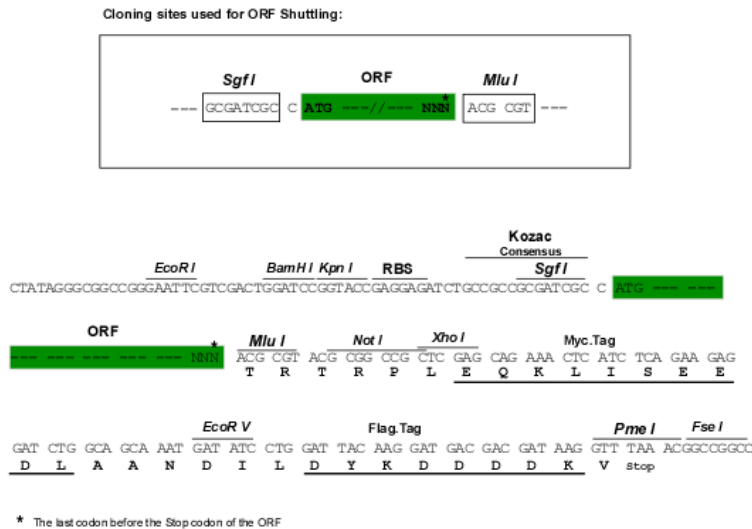
Protein Sequence: >MR220928 representing NM_177357
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Restriction Sites: Sgfl-MluI

Cloning Scheme:


ACCN: NM_177357

ORF Size: 8946 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.

RefSeq: [NM_177357.3](#), [NP_796331.2](#)

RefSeq Size: 15439 bp

RefSeq ORF: 8949 bp

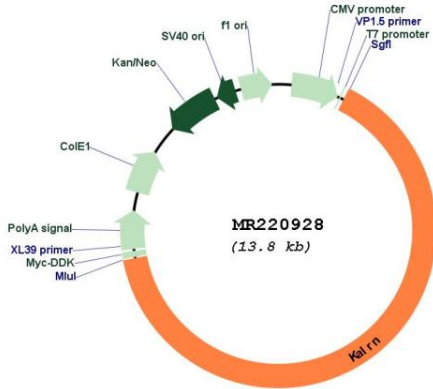
Locus ID: 545156

Cytogenetics: 16 B3

MW: 340.1 kDa

Gene Summary: Promotes the exchange of GDP by GTP. Activates specific Rho GTPase family members, thereby inducing various signaling mechanisms that regulate neuronal shape, growth, and plasticity, through their effects on the actin cytoskeleton. Induces lamellipodia independent of its GEF activity (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR220928