

## Product datasheet for **RG212445**

### **KALRN (NM\_001024660) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	KALRN (NM_001024660) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KALRN
Synonyms:	ARHGEF24; CHD5; CHDS5; DUET; DUO; HAPIP; TRAD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG212445 representing NM_001024660 Red=Cloning site Blue=ORF Green=Tags(s)

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**Protein Sequence:** >RG212445 representing NM\_001024660  
 Red=Cloning site Green=Tags(s)

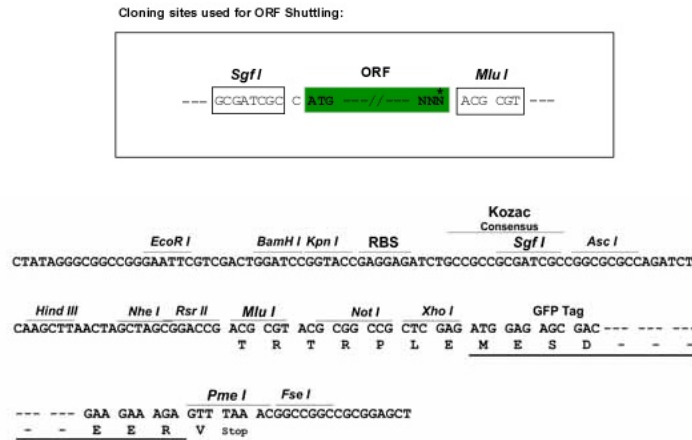
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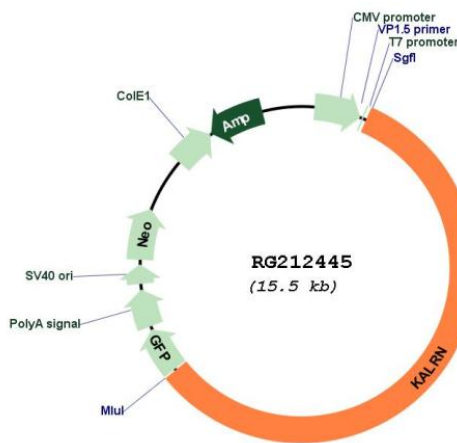
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**Restriction Sites:** SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001024660

ORF Size: 8958 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\\_001024660.4](#), [NP\\_001019831.2](#)

**RefSeq Size:** 10780 bp

**RefSeq ORF:** 8961 bp

**Locus ID:** 8997

**UniProt ID:** [O60229](#)

**Cytogenetics:** 3q21.1-q21.2

**Protein Families:** Druggable Genome, Protein Kinase

**Gene Summary:** Huntington's disease (HD), a neurodegenerative disorder characterized by loss of striatal neurons, is caused by an expansion of a polyglutamine tract in the HD protein huntingtin. This gene encodes a protein that interacts with the huntingtin-associated protein 1, which is a huntingtin binding protein that may function in vesicle trafficking. [provided by RefSeq, Apr 2016]