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# Product datasheet for SC318742

## KALRN (NM_001024660) Human Untagged Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | KALRN (NM_001024660) Human Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | KALRN |
| **Synonyms:** | ARHGEF24; CHD5; CHDS5; DUET; DUO; HAPIP; TRAD |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |
| **Fully Sequenced ORF:** | >SC318742 representing NM_001024660.<br>Blue=Insert sequence Red=Cloning site Green=Tag(s) |

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
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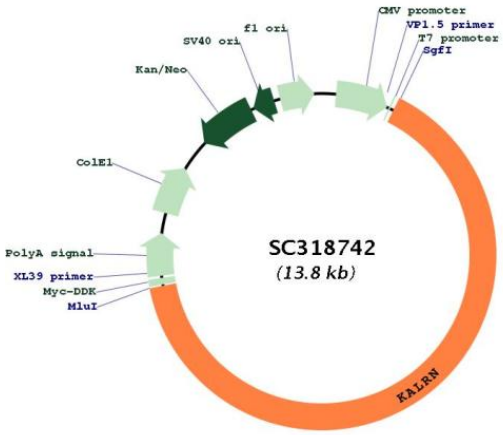
**Restriction Sites:** SgfI-MluI

**Plasmid Map:**




**ACCN:** NM_001024660

**Insert Size:** 8961 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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

| | |
|---|---|
| **RefSeq Size:** | 15982 bp |
| **RefSeq ORF:** | 8961 bp |
| **Locus ID:** | 8997 |
| **UniProt ID:** | O60229 |
| **Cytogenetics:** | 3q21.1-q21.2 |
| **Protein Families:** | Druggable Genome, Protein Kinase |
| **MW:** | 340.3 kDa |
| **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]<br>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). There are no publicly available transcripts representing the full-length splicing pattern of this variant; it is inferred from data in PMID:11891045 and from the rat homolog, NM_032062.1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments. |