

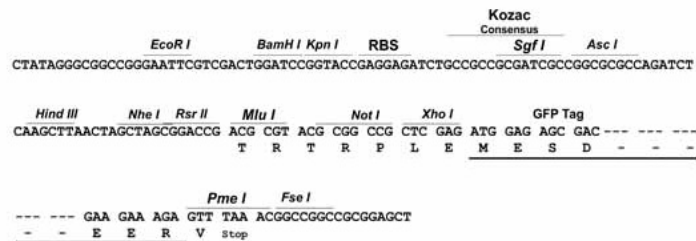
Product datasheet for **RG213514**

KCNAB3 (NM_004732) Human Tagged ORF Clone

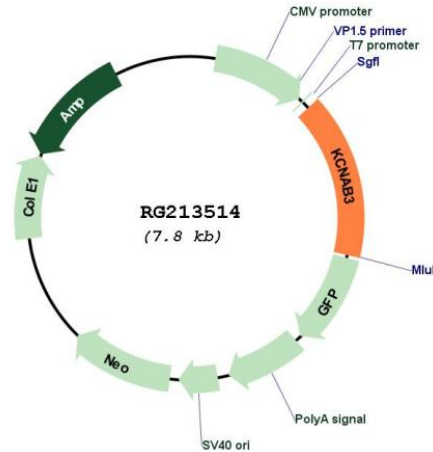
Product data:

Product Type:	Expression Plasmids
Product Name:	KCNAB3 (NM_004732) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KCNAB3
Synonyms:	AKR6A9; KCNA3.1B; KCNA3B; KV-BETA-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
Restriction Sites:	SgfI-MluI
Cloning Scheme:	

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_004732

ORF Size: 1212 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_004732.3](#), [NP_004723.2](#)

RefSeq Size: 1608 bp

RefSeq ORF: 1215 bp

Locus ID: 9196

UniProt ID: [O43448](#)

Cytogenetics: 17p13.1

Protein Families: Druggable Genome, Ion Channels: Other

Gene Summary: This gene encodes a member of the potassium channel, voltage-gated, shaker-related subfamily. The encoded protein is one of the beta subunits, which are auxiliary proteins associating with functional Kv-alpha subunits. The encoded protein forms a heterodimer with the potassium voltage-gated channel, shaker-related subfamily, member 5 gene product and regulates the activity of the alpha subunit. [provided by RefSeq, May 2012]