

Product datasheet for **RC214540L4V**

KCNH3 (NM_012284) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	KCNH3 (NM_012284) Human Tagged ORF Clone Lentiviral Particle
Symbol:	KCNH3
Synonyms:	BEC1; ELK2; Kv12.2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_012284
ORF Size:	3249 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC214540).
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.
RefSeq:	NM_012284.1
RefSeq Size:	3853 bp
RefSeq ORF:	3252 bp
Locus ID:	23416
UniProt ID:	Q9ULD8
Cytogenetics:	12q13.12
Protein Families:	Druggable Genome, Ion Channels: Potassium, Transmembrane
MW:	116.9 kDa



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Gene Summary:

The protein encoded by this gene is a voltage-gated potassium channel alpha subunit predominantly expressed in the forebrain. Studies in mice have found that cognitive function increases when this gene is knocked out. In humans, the encoded protein has been shown to be capable of binding glycoprotein 120 of the human immunodeficiency virus type 1 (HIV-1) envelope. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2015]