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Product datasheet for RC230646L2V

Calcium Sensing Receptor (CASR) (NM_001178065) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Calcium Sensing Receptor (CASR) (NM_001178065) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Calcium Sensing Receptor
Synonyms:	CAR; EIG8; FHH; FIH; GPRC2A; hCasR; HHC; HHC1; HYPOC1; NSHPT; PCAR1
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_001178065
ORF Size:	3264 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC230646).`
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_001178065.1, NP_001171536.1
RefSeq Size:	5011 bp
RefSeq ORF:	3267 bp
Locus ID:	846
UniProt ID:	P41180
Cytogenetics:	3q13.33-q21.1
Protein Families:	Druggable Genome, GPCR, Transmembrane

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MW: 121.8 kDa

Gene Summary: The protein encoded by this gene is a plasma membrane G protein-coupled receptor that senses small changes in circulating calcium concentration. The encoded protein couples this information to intracellular signaling pathways that modify parathyroid hormone secretion or renal cation handling, and thus this protein plays an essential role in maintaining mineral ion homeostasis. Mutations in this gene are a cause of familial hypocalciuric hypercalcemia, neonatal severe hyperparathyroidism, and autosomal dominant hypocalcemia. [provided by RefSeq, Aug 2017]