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Product datasheet for RC224440L2V

GUCY2F (NM_001522) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Symbol:	GUCY2F
Synonyms:	CYGF; GC-F; GUC2DL; GUC2F; RETGC-2; ROS-GC2
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_001522
ORF Size:	3324 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC224440).
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_001522.1
RefSeq Size:	3723 bp
RefSeq ORF:	3327 bp
Locus ID:	2986
UniProt ID:	P51841
Cytogenetics:	Xq22.3-q23

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Protein Families:	Druggable Genome, Protein Kinase, Transmembrane
Protein Pathways:	Purine metabolism
MW:	124.7 kDa
Gene Summary:	The protein encoded by this gene is a guanylyl cyclase found predominantly in photoreceptors in the retina. The encoded protein is thought to be involved in resynthesis of cGMP after light activation of the visual signal transduction cascade, allowing a return to the dark state. This protein is a single-pass type I membrane protein. Defects in this gene may be a cause of X-linked retinitis pigmentosa. [provided by RefSeq, Dec 2008]

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