OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC208239L3V

GFM1 (NM_024996) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	GFM1 (NM_024996) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GFM1
Synonyms:	COXPD1; EFG; EFG1; EFGM; EGF1; GFM; hEFG1; mtEF-G1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_024996
ORF Size:	2253 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208239).
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_024996.5
RefSeq Size:	3468 bp
RefSeq ORF:	2256 bp
Locus ID:	85476
UniProt ID:	Q96RP9
Cytogenetics:	3q25.32
Domains:	EFG_C, GTP_EFTU, GTP_EFTU_D2, EFG_IV
MW:	83.5 kDa

View online »

Gene Summary: Eukaryotes contain two protein translational systems, one in the cytoplasm and one in the mitochondria. Mitochondrial translation is crucial for maintaining mitochondrial function and mutations in this system lead to a breakdown in the respiratory chain-oxidative phosphorylation system and to impaired maintenance of mitochondrial DNA. This gene encodes one of the mitochondrial translation elongation factors. Its role in the regulation of normal mitochondrial function and in different disease states attributed to mitochondrial dysfunction is not known. [provided by RefSeq, Jul 2008]