

## Product datasheet for **RC209555L2V**

### FGR (NM\_001042729) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	FGR (NM_001042729) Human Tagged ORF Clone Lentiviral Particle
Symbol:	FGR
Synonyms:	c-fgr; c-src2; p55-Fgr; p55c-fgr; p58-Fgr; p58c-fgr; SRC2
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_001042729
ORF Size:	1587 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209555).
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. <a href="#">More info</a>
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:	<a href="#">NM_001042729.1</a>
RefSeq Size:	2442 bp
RefSeq ORF:	1590 bp
Locus ID:	2268
UniProt ID:	<a href="#">P09769</a>
Cytogenetics:	1p35.3
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Chemokine signaling pathway



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**MW:** 59.5 kDa

**Gene Summary:** This gene is a member of the Src family of protein tyrosine kinases (PTKs). The encoded protein contains N-terminal sites for myristylation and palmylation, a PTK domain, and SH2 and SH3 domains which are involved in mediating protein-protein interactions with phosphotyrosine-containing and proline-rich motifs, respectively. The protein localizes to plasma membrane ruffles, and functions as a negative regulator of cell migration and adhesion triggered by the beta-2 integrin signal transduction pathway. Infection with Epstein-Barr virus results in the overexpression of this gene. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jul 2008]