

## Product datasheet for **SC311485**

### FGR (NM\_001042729) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FGR (NM_001042729) Human Untagged Clone
Tag:	Tag Free
Symbol:	FGR
Synonyms:	c-fgr; c-src2; p55-Fgr; p55c-fgr; p58-Fgr; p58c-fgr; SRC2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC311485 representing NM\_001042729.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

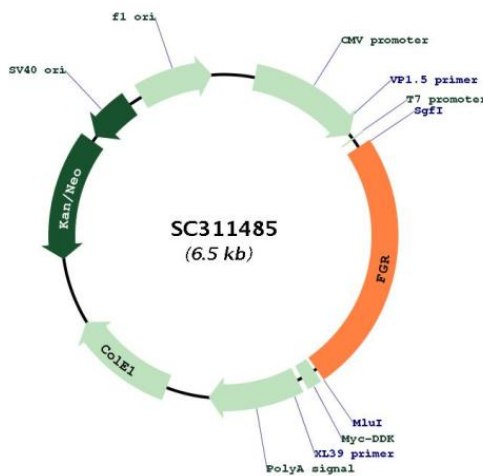
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TTTGCCACATCCCAACTACAGCAACTTCTCCTCTCAGGCCATCAACCCTGGCTTCCTTGATAGTGGC
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TAG
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**Restriction Sites:**

SgfI-MluI

**Plasmid Map:**



<b>ACCN:</b>	NM_001042729
<b>Insert Size:</b>	1590 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001042729.1</a>
<b>RefSeq Size:</b>	2442 bp
<b>RefSeq ORF:</b>	1590 bp
<b>Locus ID:</b>	2268
<b>UniProt ID:</b>	<a href="#">P09769</a>
<b>Cytogenetics:</b>	1p35.3
<b>Protein Families:</b>	Druggable Genome, Protein Kinase
<b>Protein Pathways:</b>	Chemokine signaling pathway
<b>MW:</b>	59.5 kDa
<b>Gene Summary:</b>	<p>This gene is a member of the Src family of protein tyrosine kinases (PTKs). The encoded protein contains N-terminal sites for myristylation and palmitoylation, 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]</p> <p>Transcript Variant: This variant (3) initiates at exon A, resulting in a distinct 5' UTR compared to variant 1. Expression of this variant is upregulated by Epstein-Barr virus. Variants 1, 2, and 3 encode the same isoform.</p>