

## Product datasheet for **SC330584**

### FGF1 (NM\_001257211) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FGF1 (NM_001257211) Human Untagged Clone
Tag:	Tag Free
Symbol:	FGF1
Synonyms:	AFGF; ECGF; ECGF-beta; ECGFA; ECGFB; FGF-1; FGF-alpha; FGFA; GLIO703; HBGF-1; HBGF1
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC330584 representing NM_001257211. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGGCTGAAGGGGAAATCACCACCTTCACAGCCCTGACCGAGAAGTTAATCTGCCTCCAGGAATTAC
AAGAAGCCAAACTCCTCTACTGTAGCAACGGGGCCACTTCCTGAGGATCCTTCCGGATGGCACAGTG
GATGGGACAAGGGACAGGAGCGACCAGCACATTCAGCTGCAGCTCAGTGCAGGAAAGCGTGGGGGAGGTG
TATATAAAGAGTACCGAGACTGGCCAGTACTTGGCCATGGACACCGACGGGCTTTTATACGGCTCAACA
CCAAATGAGGAATGTTTGTCTGGAAAGGCTGGAGGAGAACCATTACAACACCTATATATCCAAGAAG
CATGCAGAGAAGAATTGGTTTGTGGCCTCAAGAAGAATGGGAGCTGCAAACGCGGTCTCGGACTCAC
TATGGCCAGAAAGCAATCTTGTCTCCCCTGCCAGTCTCTTCTGATTAA
```

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001257211
Insert Size:	465 bp
OTI Disclaimer:	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).
Components:	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).



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**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**RefSeq:** [NM\\_001257211.1](#)

**RefSeq Size:** 3810 bp

**RefSeq ORF:** 465 bp

**Locus ID:** 2246

**Cytogenetics:** 5q31.3

**Protein Families:** Druggable Genome, Secreted Protein

**Protein Pathways:** MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton

**MW:** 17.3 kDa

**Gene Summary:** The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. This protein functions as a modifier of endothelial cell migration and proliferation, as well as an angiogenic factor. It acts as a mitogen for a variety of mesoderm- and neuroectoderm-derived cells in vitro, thus is thought to be involved in organogenesis. Multiple alternatively spliced variants encoding different isoforms have been described. [provided by RefSeq, Jan 2009]  
Transcript Variant: This variant (13) differs in the 5' UTR and uses an alternate splice site in the 3' coding region, but maintains the reading frame, compared to variant 1. Variants 8, 13, 14, 21 and 22 encode isoform 4, which is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.