

Product datasheet for **SC303586**

FGF19 (NM_005117) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FGF19 (NM_005117) Human Untagged Clone
Tag:	Tag Free
Symbol:	FGF19
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_005117 edited
 GCGCTGCGTCCAGGATCTAGGGCCACGACCATCCCAACCCGGCACTCACAGCCCCGACAG
 GCATCCCGGTGCGCGCCAGCCTCCCGCACCCCATCGCCGGAGCTGCGCCGAGAGCCCC
 AGGGAGGTGCCATGCGGAGCGGGTGTGTGGTGGTCCACGTATGGATCCTGGCCGGCTCT
 GGCTGGCCGTGGCCGGCGCCCCCTCGCCTTCTCGGACGCGGGGGCCACGTGCACTACG
 GCTGGGGCGACCCCATCCGCCTGCGGCACCTGTACACCTCCGGCCCCACGGGCTCTCCA
 GCTGCTTCTCGCATCCGTGCCGACGGCGTGTGGACTGCGCGCGGGGCCAGAGCGCGC
 ACAGTTTGTGGAGATCAAGGCAGTCGCTCTGCGGACCGTGGCCATCAAGGGCGTGACAC
 GCGTGCGGTACCTCTGCATGGGCGCCGACGCAAGATGCAGGGGCTGCTTCAGTACTCGG
 AGGAAGACTGTGCTTTCGAGGAGGAGATCCGCCAGATGGCTACAATGTGTACCGATCCG
 AGAAGCACCGCCTCCCGGTCTCCCTGAGCAGTGCCAAACAGCGGCAGCTGTACAAGAACA
 GAGGCTTTCTTCCACTCTCTCATTTCTGCCATGCTGCCATGGTCCAGAGGAGCCTG
 AGGACCTCAGGGGCCACTTGAATCTGACATGTTCTTTCGCCCTGGAGACCGACAGCA
 TGGACCCATTTGGGCTTGTACCGGACTGGAGGCGGTGAGGAGTCCAGCTTTGAGAAGT
 AACTGAGACCATCCCGGGCCTTCTCACTGCTGCCAGGGGCTGTGGTACCTGCAGCGTGG
 GGACGTGCTTCTACAAGAACAGTCCTGAGTCCACGTTCTGTTTAGCTTTAGGAAGAAAC
 ATCTAGAAGTTGTACATATTCAGAGTTTCCATTGGCAGTGCCAGTTTCTAGCCAATAGA
 CTTGTCTGATCATAACATTGTAAGCCTGTAGCTTGCCAGCTGCTGCCTGGGCCCCCATT
 CTGCTCCCTCGAGGTTGCTGGACAAGCTGCTGCACTGTCTCAGTTCTGCTTGAATACCTC
 CATCGATGGGGAACCTCACTTCCTTTGGAAAAATCTTATGTCAAGCTGAAATTCTCTAAT
 TTTTCTCATCACTTCCCAGGAGCAGCCAGAAGACAGGCAGTAGTTTAAATTCAGGAA
 CAGGTGATCCACTCTGTAAACAGCAGGTAAATTTCACTCAACCCCATGTGGGAATTGAT
 CTATATCTCTACTTCCAGGGACCATTTGCCCTTCCAAATCCCTCCAGGCCAGAACTGAC
 TGGAGCAGGCATGGCCACCAGGCTTTCAGGAGTAGGGGAAGCCTGGAGCCCCACTCCAGC
 CCTGGGACAACCTGAGAATTCCCCTGAGGCCAGTTCTGTCTGATGGATGCTGCTGAGAA
 TAACTTGCTGTCCGGTGTACCTGCTTCCATCCCCAGCCACCAGCCCTCTGCCACC
 TCACATGCCTCCCATGGATTGGGGCTCCAGGCCCCACCTTATGTCAACCTGCACT
 TCTTGTTCAAAAATCAGGAAAAGAAAGATTTGAAGACCCCAAGTCTTGTAATAACTTG
 CTGTGTGGAAGCAGCGGGGAAGACCTAGAACCCTTCCCGAGCACTGGTTTTCAACA
 TGATATTTATGAGTAATTTATTTGATATGTACATCTTATTTTCTTACATTATTTATG
 CCCCCAAATTATTTATGTATGTAAGTGAGGTTGTTTTGTATATTAATGAGTTTG
 TTTGTATCAA
 AAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_005117

Insert Size: 1900 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).

OTI Annotation: The ORF of this clone has been fully sequenced and found to be a perfect match to NM_005117.2.

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).

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:	<u>NM_005117.2, NP_005108.1</u>
RefSeq Size:	2157 bp
RefSeq ORF:	651 bp
Locus ID:	9965
UniProt ID:	<u>O95750</u>
Cytogenetics:	11q13.3
Protein Families:	Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Secreted Protein, Transmembrane
Protein Pathways:	MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton
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 growth factor is a high affinity, heparin dependent ligand for FGFR4. Expression of this gene was detected only in fetal but not adult brain tissue. Synergistic interaction of the chick homolog and Wnt-8c has been shown to be required for initiation of inner ear development. [provided by RefSeq, Jul 2008]