

Product datasheet for **SC117567**

FGF14 (NM_004115) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FGF14 (NM_004115) Human Untagged Clone
Tag:	Tag Free
Symbol:	FGF14
Synonyms:	FGF-14; FHF-4; FHF4; SCA27
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_004115 edited
 GAATTCGGCACGAGGCCTGGCCCCGCGCCCCGCGGAGAGGGCGATGGGTCCCCTCAGGA
 CTGAGCGCCCCCTCCCCTCTCCCAGTCCCGCCTGGCACCCCCTCCTCTGCCCGAGGGC
 GAGCCACGGTCTGCGCCGCCCTTCCCCTCCGGTGCCCCGGCTCGCCGTCTCCCCTG
 CCCTCCCTCCCGGACCCGTTCCCGGGCCACCATGGCCGCGCCATCGTAGCGGCTTG
 ATCCGCCAGAAGCGGCAGGCGGGGAGCAGCACTGGGACCGCCGTCTGCCAGCAGGAGG
 CGGAGCAGCCCCAGCAAGAACCAGCGGGCTCTGCAACGGCAACCTGGTGGATATCTTCTCC
 AAAGTGCCGATCTTCGGCCTCAAGAAGCGCAGGTTGCGGCGCAAGATCCCCAGCTCAAG
 GGTATAGTGACCAGTTATATTGACGGCAAGGCTACTACTTGCAAATGCACCCCGATGGA
 GCTCTCGATGGAACCAAGGATGACAGCACTAATTCTACACTCTTCAACCTCATAACAGTG
 GGACTACGTGTTGTTGCCATCCAGGGAGTAAAAACAGGTTGTATATAGCCATGAATGGA
 GAAGGTTACCTCTACCCATCAGAACTTTTTACCCTGAATGCAAGTTAAAGAATCTGTT
 TTTGAAAATTATTATGTAATCTACTCATCCATGTTGTACAGACAACAGGAATCTGGTAGA
 GCCTGGTTTTTGGGATTAATAAGGAAGGCAAGCTATGAAAGGGAACAGAGTAAAGAAA
 ACCAAACCAGCAGCTCATTTTCTACCAAGCCATTGGAAGTTGCCATGTACCGAGAACCA
 TCTTTGCATGATGTTGGGAAACGGTCCCGAAGCTGGGGTGACGCCAAGTAAAAGCACA
 AGTGCGTCTGCAATAATGAATGGAGGCAAACAGTCAACAAGAGTAAGACAACATAGCCA
 GATCCTCACAGGTGTTGTGACTTATTCGTCTGAGCACAGTTGAGTGATTTATCCTCACC
 AGACATTCCTGTCCGTGGCTGAAGAGCAGCAGGAAGTAAGCTAATGCTTATTCTTTGCT
 GTCTCCGAACTTCTCTGTTGCAAGTGGATAAATCTCAACCTGTTGACCCCCACAACAA
 GAAGACACCTGGATAACCAGCTAAACTCAGACCATGGAATGCCCTACCAGATATGGAATG
 CCTTTTTAATATCTTTTCTGTGACTGTGACACTCATGTGAATGACATACTTCACAAGTA
 CACTCGATACCTTGCCCTGTGACAGCTACCCATAATCCTTTTTTGAGTCCGTGTTTCAGCA
 AATCTATGTGTTAAGTTCAATTTTGTAGCACACAATAATATTGAGTAATTTCTAGTTA
 GACGCTGTAAACCTGTGCTATTACGGATTTCTTCTTCCATTTTTACAGGGCTGCTCG
 CTCACACTGTGTGACCTTTTGCAGGGATTTTGTCTCTAAATCTTAAATGTTGCAAGTT
 GGCTTAGGTCCGAGAGCAATCAGGGAATCAGGAAGCCTTCTAACCTATTATTACAAATT
 GCATCTATAAAGAAAGATTAAGAAAGATTGTTGTCTCTGGCTCACACTATCGATTAACA
 CACATACGCTCTGTCCAGTAGCAGATACTGTGCTCCCAAGGTCGGCATTGCCTGGGTG
 GGAATGGCTCAAACACAATCCAGGGAAGCTCTATGATATGTGTTGACATCCCCCTC
 TAGTTTCTTTGTGTGTGTGTTTTATACATATACAAGCTTACTGGTAATGGTAACATT
 TGCCCTTGCCAGCGAGCAAGACCCACTGGTTTTTGAGAAAGTGGGTCCAAGATTCTGT
 AGGCCTGTAGGCCTGATTAAGGTTCAATTTTTCATCTATTAATTCTCATTATTTGAAAA
 AAAAAAAAAAAAAAAGCTCGAC

5' Read Nucleotide Sequence: >OriGene 5' read for NM_004115 unedited
 TCGTATTTTGTAAACGAACTACTATAGGGCGCCGCGAATTCGCACGAGGCCTGGCCC
 CGCGCCCCGCGGAGAGGGCGATGGGTCCCGGTGAGGACTGAGCGCCCCCTCCCCTCTCCC
 CAGTCCCCTGCGACCCCTCCTCTGCCCCGAGGGCGAGCCACGGTCTGCGCCCGCCG
 TCCCCTCCGGTGCCCCGGCTCGCCGTCTCCCGCGCCCTCCCTCCCCGGACCCGTTCC
 CGGGGCCACCATGGCCGCGGCCATCGCTAGCGGCTTGATCCGCCAGAAGCGGCAGGCGCG
 GGAGCAGCACTGGGACCGCCGTCTGCCAGCAGGAGGCGGAGCAGCCCCAGCAAGAACC
 CGGGCTCTGCAACGGCAACCTGGTGGATATCTTCTCAAAGTGCATCTTCGGCTCAA
 GAAGCGCAGGTTGCGGCCCAAGATCCCCAGCTCAAGGGTATAGTGACCAGGTTATATTG
 CAGGCAAGGCTACTACTGCAAATGCACCCCGATGGAGCTCTCGATGGAACCAAGGATGA
 CAGCACTAATTCTACACTCTTCAACCTCATACCAGTGGGACTACGTGTTGTTGCCATCCA
 GGGAGTAAAAACAGGGTTGTATATAGCCATGAATGGAGAAGGTTACCTCTACCCATCAGA
 ACTTTTTACCCCTGAATGCAAGTTAAAGAATCTGTTTTTAAAAATTATTATGTAATCTA
 CTCATCCATGTTGTACAGACAACAGGAATCTGGTAGAGCCTGGTTTTTGGGATTAATAA
 GGAAGGNCAGCTATGANAGGGAACAGAGTAAAGAAAACCAACCAGCAGCTCATTTTCT
 ACCCCAGCCATTGGAAGNTGCCATGTACCGAGAACCATCTTGCNATGATGTGGGGGAAA
 CGTCCNNGAGCCTGGGTGACGCCAAGTAAGCACAGTGCCTCTGCATAATT

Restriction Sites:	NotI-NotI
ACCN:	NM_004115
Insert Size:	1960 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).
Reconstitution Method:	<ol style="list-style-type: none">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_004115.2</u> , <u>NP_004106.1</u>
RefSeq Size:	890 bp
RefSeq ORF:	744 bp
Locus ID:	2259
UniProt ID:	<u>Q92915</u>
Cytogenetics:	13q33.1
Domains:	FGF
Protein Families:	Secreted Protein
Protein Pathways:	MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton
Gene Summary:	<p>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. A mutation in this gene is associated with autosomal dominant cerebral ataxia. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) encodes the shorter isoform (1A). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.</p>