

Product datasheet for **SC320149**

FGF18 (NM_003862) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: FGF18 (NM_003862) Human Untagged Clone
Tag: Tag Free
Symbol: FGF18
Synonyms: FGF-18; ZFGF5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_003862.1
GGCACGAGGGTCTGCAGCAGCAGCAGCCGGCGAGGAGGGAGCAGCAGCAGCGGCGGCGGG
GGCGGCGGCGGCGGCGGAGGCGCCGGTCCC GGCCGCGGAGCGGACATGTGCAGGCTG
GGCTAGGAGCCGCGCCTCCCTCCCGCCAGCGATGTATT CAGCGCCCTCCGCCTGCACT
TGCTGTGTTTACACTTCTGCTGCTGCTTCCAGGTACAGGTGCTGGTTGCCGAGGAG
AACGTGGACTTCCGCATCCACGTGGAGAACCAGACGCGGGCTCGGGACGATGTGAGCCGT
AAGCAGCTGCGGCTGTACCAGCTCTACAGCCGACCAAGTGGGAAACACATCCAGTCCCTG
GGCCGACAGGATCAGTGCCCGCGGCGAGGATGGGACAAGTATGCCAGCTCCTAGTGGAG
ACAGACACCTTCGGTAGTCAAGTCCGGATCAAGGGCAAGGAGACGGAATTCTACCTGTGC
ATGAACCGCAAAGGCAAGCTCGTGGGGAAGCCCGATGGCACCAGCAAGGAGTGTGTGTTT
ATCGAGAAGGTTCTGGAGAACAACACTACAGGCCCTGATGTCGGCTAAGTACTCCGGCTGG
TACGTGGGCTTACCAAGAAGGGGCGGCCGGAAGGGCCCAAGACCCGGGAGAACCAG
CAGGACGTGCATTTTCATGAAGCGCTACCCCAAGGGGCAGCCGGAGCTT CAGAAGCCCTTC
AAGTACACGACGGTGACCAAGAGGTCCCCTCGGATCCGGCCACACACCTGCCTAGGCC
ACCCCGCCGCGGCCCTCAGGTGCGCCCTGGCCACACTCACACTCCAGAAAACTGCATCA
GAGGAATATTTTACATGAAAAATAAGGAAGAAGCTCTATTTTGTACATTGTGTTTAAA
AGAAGACAAAACTGAACAAAACTCTTGGGGGAGGGGTGATAAGGATTTTATTGTTGA
CTTGAAACCCCGATGACAAAAGACTCACGCAAAGGACTGTAGTCAACCCACAGGTGCT
TGCTCTCTCTAGGAACAGACAACCTTAAACTCGTCCCCAGAGGAGGACTTGAATGAGGA
AACCAACACTTTGAGAAAACCAAAGTCTTTTTCCCAAAGGTTTTGAAAGGAAAAAAAAAA
AAAAA

Restriction Sites: Please inquire
ACCN: NM_003862



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| 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: | 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. |
| 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: | NM_003862.1 , NP_003853.1 |
| RefSeq Size: | 1546 bp |
| RefSeq ORF: | 624 bp |
| Locus ID: | 8817 |
| UniProt ID: | O76093 |
| Cytogenetics: | 5q35.1 |
| Protein Families: | ES Cell Differentiation/IPS, 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. It has been shown in vitro that this protein is able to induce neurite outgrowth in PC12 cells. Studies of the similar proteins in mouse and chick suggested that this protein is a pleiotropic growth factor that stimulates proliferation in a number of tissues, most notably the liver and small intestine. Knockout studies of the similar gene in mice implied the role of this protein in regulating proliferation and differentiation of midline cerebellar structures. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) contains a 3' UTR region absent in variant 2. Variants 1 and 2 encode the identical protein.</p> |