

Product datasheet for SC124108

FGF5 (NM_004464) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FGF5 (NM_004464) Human Untagged Clone
Tag:	Tag Free
Symbol:	FGF5
Synonyms:	HBGF-5; Smag-82; TCMGLY
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC124108 sequence for NM_004464 edited (data generated by NextGen Sequencing)

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ATGAGCTTGTCTTCCTCCTCCTCCTCCTCTTCTTCAGCCACCTGATCCTCAGCGCCTGGGCT
CACGGGAGAGAAGCGTCTCGCCCCAAAGGGCAACCCGGACCCGCTGCCACTGATAGGAAC
CCTAGAGGCTCCAGCAGCAGACAGAGCAGCAGTAGCGCTATGTCTTCTTCTCTGCTCC
TCTCCCCCGCAGCTTCTCTGGGCAGCCAAGGAAGTGGCTGGAGCAGAGCAGTTTCCAG
TGGAGCCCTCGGGGCGCCGGACCGGCAGCCTCTACTGCAGAGTGGGCATCGGTTTCCAT
CTGCAGATCTACCCGGATGGCAAAGTCAATGGATCCCACGAAGCCAATATGTTAAGTGTT
TTGGAAATATTTGCTGTGTCTCAGGGGATTGTAGGAATACGAGGAGTTTTAGCAACAAA
TTTTTAGCGATGTCAAAAAAAGGAAAACCCATGCAAGTGCCAAGTTCACAGATGACTGC
AAGTTCAGGGAGCGTTTTCAAGAAAATAGCTATAATACCTATGCCTCAGCAATACATAGA
ACTGAAAAAACAGGGCGGGAGTGGTATGTGGCCCTGAATAAAAGAGGAAAAGCCAACGA
GGGTGCAGCCCCCGGTTAAACCCAGCATATCTCTACCCATTTTCTGCCAAGATTCAAG
CAGTCCGAGCAGCCAGAACTTTCTTTTCCAGGTTACTGTTCTGAAAAGAAAAGCCACCT
AGCCCTATCAAGCCAAAGATTCCCTTTTCTGCACCTCGGAAAAATACCAACTCAGTGAA
TACAGACTCAAGTTTTCGCTTTGGATAA
  
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Clone variation with respect to NM_004464.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004464 unedited ATAGGGCGGCCGGAATTCGGCAGCAGCTCCCTCCCCGCACCCGGCCAGTGAGTACACAAA GCCGTTGGTGAGGGGAAGCTTCNNNTCGTGACGGAGCAGTGAGATCACTGGCGTTATAA ATATCCCGGTGCCAGCGCGGAGATCCGCTCGGGTGGCCTCTCTTCCCCTCTCCCCTTC TCTTCCCCGAGGCTATGTCCACCCGGTGCGGCAGGGCGGGCAGAGCCAGAGGCACGCAGC CGCACAGGGGCTACAGAGCCCAGAATCAGCCCTACAAGATGCACCTAGGACCCCCGCGGC TGGAAAGATGAGCTTGTCTTCTCCTCCTCTTCTTCTCAGCCACCTGATCCTCAGCGC CTGGGCTCACGGGAGAAGCGTCTCGCCCCAAAGGGCAACCCGGACCCGCTGCCACTGA TAGGAACCTAGAGGCTCCAGCAGCAGACAGAGCAGCAGTAGCGCTATGTCTTCTCTTC TGCCTCCTCCTCCCCGAGCTTCTCTGGGCAGCCAAGGAAGTGGCTTGGAGCAGAGCAG TTTCCAGTGGAGCCCCTCGGGGCGCCGACCGGCAGCCTCTACTGCAGAGTGGGCATCGG TTTCCATCTGCAGATCTACCCGGATGGCAAAGTCAATGGATCCCACGAAGCCAATATNGT AAGTGTTTTGAAATATNTGCTGTGTCTCAGNGATTGTAGAATACGNNAGATTTTCAGC AAAAAATTTAGCGATGTCAAAAAAGAAAAACN
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_004464 unedited GGAGAGGCACTGGGGAGGGTGCAGGGATGCCACCCGGGATCTGTTTCAGGAAACAGCTA TGACCGCGGCCGCAATCTAGAGTCNNNATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTCCACATGCACACATATGTTTATTGCAGCACTATTCACAATAGCAAAGACTTGGAAAC AACCCAAATGTCCAACAATGATAGACTGGATTAAGAAAATGTGGCACATATACCCATGG AATACTATGCAGCCATAAAAAATGATGAGTTCATGTTCTTTGTAGGGACATGGATGAAGC TGGAAACCATCATTCTCAGCAAATATTGCAGGGACCAAAAACCAACACCACATATTCT CACTCATAGGTGGGAATTGAACAATAAGAACACATGGACACACGAAGGGGAACATCACAT ACCGGGGCCTGTGTGGGTGGGTGAAAAGGGAGGATANCATTANGAGATATACCTAAT GCTGGATGACAGTTGGTGGGTGCAGCACACCAACATGGCACATGTGTGCATGTGTGACA AACATGTGCATTGGGGACATGTACCCTAGAACTTGAAGTATAATAATAATAAAATTTAAA AAAAAATCTTAGATGTAAGATGGCTTACCTGACTCCACTCAGGTTGGAATACATCTGG TTCCTTTCTTCCCTGGGACCTTAAAATGGGCAAATAAGATGGAGGGGAATGTTTGTC TGCTAACCTAACATTAATTTTTTTAAAAA
Restriction Sites:	Please inquire
ACCN:	NM_004464
Insert Size:	6000 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_004464.3</u> , <u>NP_004455.2</u>

RefSeq Size:	5399 bp
RefSeq ORF:	807 bp
Locus ID:	2250
UniProt ID:	P12034
Cytogenetics:	4q21.21
Domains:	FGF
Protein Families:	Druggable Genome, 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. This gene was identified as an oncogene, which confers transforming potential when transfected into mammalian cells. Targeted disruption of the homolog of this gene in mouse resulted in the phenotype of abnormally long hair, which suggested a function as an inhibitor of hair elongation. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>