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Product datasheet for SC106966

FGF14 (NM_175929) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FGF14 (NM_175929) Human Untagged Clone
Tag:	Tag Free
Symbol:	FGF14
Synonyms:	FGF-14; FHF-4; FHF4; SCA27
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC106966 sequence for NM_175929 edited (data generated by NextGen Sequencing)

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ATGGTAAAACCGGTGCCCCTCTTCAGGAGAACTGATTTCAAATTATTATTATGCAACCAC
AAGGATCTCTTCTTTCTCAGGGTGTCTAAGCTGCTGGATTGCTTTTCGCCCAAATCAATG
TGGTTTCTTTGGAACATTTTCAGCAAAGGAACGCATATGCTGCAGTGTCTTTGTGGCAAG
AGTCTTAAGAAAAACAAGAACCCAACTGATCCCCAGCTCAAGGGTATAGTGACCAGGTTA
TATTGCAGGCAAGGCTACTACTTGCAAATGCACCCCGATGGAGCTCTCGATGGAACCAAG
GATGACAGCACTAATTCTACACTCTTCAACCTCATACCAGTGGGACTACGTGTTGTTGCC
ATCCAGGGAGTGAAAACAGGGTTGTATATAGCCATGAATGGAGAAGGTTACCTCTACCCA
TCAGAACTTTTTACCCCTGAATGCAAGTTTAAAGAATCTGTTTTTGAAAATTATTATGTA
ATCTACTCATCCATGTTGTACAGACAACAGGAATCTGGTAGAGCCTGGTTTTTGGGATTA
AATAAGGAAGGGCAAGCTATGAAAGGGAACAGAGTAAAGAAAACCAAACCAGCAGCTCAT
TTTCTACCCAAGCCATTGGAAGTTGCCATGTACCGAGAACCATCTTTGCATGATGTTGGG
GAAACGGTCCCGAAGCCTGGGGTGACGCCAAGTAAAAGCACAAGTGCGTCTGCAATAATG
AATGGAGGCAAACCAGTCAACAAGAGTAAGACAACATAG

Clone variation with respect to NM_175929.2
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View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_175929 unedited
ATATTTGTATACGACTCACTTATAGGGCGGCCGCGAATTCGCACGAGGGTGCATTACTGT
TCTCCCTGATTAGTTTTGATCTCAGTTGGGATCTCTTTGCTTTTCTGTTTGGCTTCATGC
TGAAAAAGGATTTTTTCTCCAACCCTTTGGTAATAATCCGGTGGTGATCGAGGGGGGATA
AATCATTCACCCTGGCCGAAAACAAACAATCACTGAGAAGTCTCAAAGAAATATACCACG
TGAGGGGAAAAAACTGGGAGAAGATCCGGAATATTATCGTTTTTCCTATGGTAAAACCGG
TGCCCCTCTTCAGGAGAACTGATTTCAAATTATTATTATGCAACCACAAGGATCTCTTCT
TTCTCAGGGTGTCTAAGCTGCTGGATTGCTTTTCGCCCAAATCAATGTGGTTTCTTTGGA
ACATTTTCAGCAAAGGAACGCATATGCTGCAGTGTCTTTGTGGCAAGAGTCTTAAGAAAA
ACAAGAACCCAACTGATCCCCAGCTCAAGGGTATAGTGACCAGGTTATATTGCAGGCAAG
GCTACTACTTGCAAATGCACCCCGATGGAGCTCTCGATGGAACCAAGGATGACAGCACTA
ATTCTACACTCTTCAACCTCATACCAGTGGGACTACGTGTTGTTGCCATCCAGGGAGTGA
AAACAGGGTTGTATATAGCCATGAATGGAGAAGGTTACCTCTACCCATCAGAACTTTTTA
CCCCTGAATGCAAGTTTAAAGAATCTGTTTTTGAAAATATTATGTAATCTACTCATCCAT
GTTGTACAGACACAGGAATCTGGTAGAGCCTGGTTTTTGGGATTAAATAAGGAAGGNNCA
GCTATGANAGGGAACAGAGTANAGAAAACANACCAGC

Restriction Sites: NotI-NotI

ACCN: NM_175929

Insert Size: 1550 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:
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_175929.1, NP_787125.1

RefSeq Size: 1001 bp

RefSeq ORF: 759 bp

Locus ID: 2259

UniProt ID: Q92915

Cytogenetics: 13q33.1

Protein Families: Secreted Protein

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. 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]
Transcript Variant: This variant (2) has an alternate 5' sequence including the 5' UTR and coding region, as compared to variant 1. It encodes isoform 1B, which has a different and longer N-terminus than 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.