

Product datasheet for **SC321865**

HFH4 (FOXJ1) (NM_001454) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HFH4 (FOXJ1) (NM_001454) Human Untagged Clone
Tag:	Tag Free
Symbol:	HFH4
Synonyms:	CILD43; FKHL13; HFH-4; HFH4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001454.2
 CTTTGGAGCGGCTACTTAATGCCGGTCCCGGGCCGCGGTAGCTCAGAGAAGCGCCGTCG
 GGCGGGGGGGCGCAAGAGGCGCTGGCAGGGCCCCGAGCTGGGGGCAGAGAGCCGAGG
 GGGTGGGAGCAACTTCTTCCAGAACCTTCTCTGGCCCGGGTGCCTCTGAGCCAGGCA
 CCACATACTTATTCGGAGGAGGCGCCCCGGGGTGCAGATGGAAGCGCGCTCCGGGA
 GGCCGTGTAACGGGAGCTGCGGGACTCAGCGGGCCAGAGAGCGCGGGGCCACCCCGG
 CTCAGCCCGTGGATGCTGACCGCCCTCGGAGAGTCCCCGAGACATGGCGGAGAGCTG
 GCTGCGCCTCTCGGGAGCCGGCCGCGGAGGAGCCGGCCGGAGGGCGGCCTGGAGGA
 GCCCGACGCCCTGGATGACAGCCTGACAGCCTGCACTGGCTGCAGGAATTCTCCATTCT
 CAACGCCAAGGCCCCCGCCTGCCCGGGGGCACCGACCCACGGCTACCACCAGGT
 GCCAGGTTTCCAGCGGCCCGGGTCCCCCTGGCGGCCACCCGCTGCCTGGGGCAGCC
 ACACACGCCGGGCAAGCCACGTCGTGTCACGTCGCGGAGCGGCCCGGGGCTGCA
 GGCCCCACCCCGACGACTGGACTACGCCACCAATCCGACGTAAGCCTCCCTACTC
 GTATGCCACGCTCATCTGCATGGCCATGCAGGCCAGCAAGGCCACCAAGATCACCTGTC
 GGCCATCTACAAGTGGATCACGGACAATTCTGCTACTTCGCCACGCAGATCCACCTG
 GCAGAATTCAATCCGCCACAACCTGTCTCTGAACAAGTGCTTCATCAAAGTGCCTCGGGA
 GAAGGACGAACCAGGCAAGGGGGCTTCTGGCGATTGACCCCACTACGCGGAGCGGCT
 ACTGAGCGGCGCTTCAAGAAGCGGCGACTGCCCCCTGTCCACATCCACCCAGCCTTTGC
 CCGCCAGGCCGCGCAGGAGCCAGCGCTGTCCCCGGGGCCGGCCGCTGACGGTGAATAC
 CGAGGCCAGCAGCTGCTGCGGGAGTTCGAGGAGGCCACCGGGGAGGGCGGCTGGGGTGC
 AGGCGAGGGCAGGCTGGGGCATAAGCGCAAACAGCCGCTGCCAAGCGGGTGGCAAGGT
 CCCGCGGCCCCAGCACCTGCTGCCACCCGGAGGAGCAGGGTGAGCTGGAACCCCT
 CAAAGGCAACTTTGACTGGGAGGCATCTTCGACGCCGCACTCTGGCGGGGAGCTGGG
 TGCACTGGAGGCCCTGGAGCTGAGCCCGCCTCTGAGCCCGCCTCACACGTGGAGCTGGA
 CCTCACCATCCACGCCGCCACATCGACTGCCCTGCCACCTGGGGCCTTCGGTGGAGCA
 GGCTGCCGACAGCCTGGACTTCGATGAGACCTTCTGGCCACATCCTTCTGCAGCACCC
 CTGGGACGAGAGCGGAGTGGCTGCCTGCCCGGAGCCCTCTTTGAGGCTGGGGATGC
 CACCCTGGCCTCCGACCTGCAGGACTGGCCAGCGTGGGGCCTTCTTGAAGAGGCCAG
 GCCCTGCCCCACCTCTGGACAGTGCCAAGTCAGGGTCCAGAACTGCCCCCAACACAGG
 TCCACAGACCCCAACCCTAGGCAGGGGCTGGGCCAGGGCTCAAGGCTTGCCCCAGA
 GGCCACATGGCCACCAGCCCAGCTGCCATCAGATTCAAGCCCAGGAGGCTGAAAACGAG
 GGCCAGGACCAGAATCGCTGCCTCCTCTCCCCAGCCCACTTTGTACACACAGTGTTC
 ATTGCTCCGCGTCTTCCAGCCCCAGAAACCGGCTAAAGGACCCTGCACCATGAGAGCCG
 AGGCTGGAGGAGCCCGGGTCCAGGCTGGGGAGGAACAGAAGTGGGCCCTCCAGAGCACC
 TCCGCTTCCCCCTGCTTCCCCAGGTCTCTATCCAGAGAGAGTCCCAGGTACAACAAAT
 GCTAATTAGATGACAGCAAATTAACCCCTGGAGGCTTCTCTGGCAGAGCCTCCCTGGG
 GCCGGGGCAGGCTGTGGATGGGGCGGAGCAGGGCAGAAGATGACTGGGGAGGGGGCAG
 AGAGAGGAGACCAAAAATGAGGTGGTGGCACAGGGTGGGGCAAGGAGATCCTCTAAGGC
 CTCTGGGTCTTTGCCTGGCCCCATCCCTAGGGGGCGGGGAGGGGACGTAATCCCTAAT
 CTTTAAGCCCGACTTGGAGCTGAGAGCAGCTGGAAGTTTGGGTTTGGTGGTTTGGGGCC
 GGGCAGCCAAGCTGTATGGGGCAGGACAGACAGACTAATGTAGTGAGTGTAGCTGTAGC
 TGAGGCTTAAGTGGGAGGGATGCCGAGCTTGTGGAAGTACTGGGACCAAGAAGCGGGT
 ACCCCACGCCCTGCCTGCACTCCTCGGGGGCGTGGGGCGTGCCTTGTCCACCCGACT
 CCCTGGGTGCGTCCCACATCCACCCTCCTGCCCGTGGGGCAATTTAACCTTTTTTCATG
 AAAGTTATTTACAATGAAAAGTTTTTAAAAATAAAATTTTTAAAAATCTAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001454

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
OTI Annotation:	<p>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.</p>
Components:	<p>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).</p>
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:	<p>NM_001454.2, NP_001445.2</p>
RefSeq Size:	<p>2401 bp</p>
RefSeq ORF:	<p>1266 bp</p>
Locus ID:	<p>2302</p>
UniProt ID:	<p>Q92949</p>
Cytogenetics:	<p>17q25.1</p>
Protein Families:	<p>Transcription Factors</p>
Gene Summary:	<p>This gene encodes a member of the forkhead family of transcription factors. Similar genes in zebrafish and mouse have been shown to regulate the transcription of genes that control the production of motile cilia. The mouse ortholog also functions in the determination of left-right asymmetry. Polymorphisms in this gene are associated with systemic lupus erythematosus and allergic rhinitis.[provided by RefSeq, Sep 2009]</p>