

Product datasheet for **SC323146**

FAM149B1 (NM_173348) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM149B1 (NM_173348) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM149B1
Synonyms:	JBTS36; KIAA0974
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC323146 representing NM_173348.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC
ATGATCTCCAGATACACTCGGAAGCGGTGCCACAGAGCTTGAGCTGAAAGGAATAACAAAACATGCT
CTTAACCATCATCCCCCTCCAGAGAAGCTGGAGGAAATTTCCCCACCAGTGACAGTCATGAGAAGAC
ACAAGTTCCCAAAGCAAGTCTGACATCACAAGAGAATCATCTTTTACATCAGCCGACACTGGGAATTCA
CTGTCTGCTTTTCCAAGTTATACAGGCGCAGGGATATCTACTGAAGGAAGCTCGGACTTCTCCTGGGA
TATGGTGAACCGATCAAAATGCCACTGAAAAAGTCCAGACAATGTTACAGCCATTGATGAACTTTG
TATGAGCAGAAGTTGAGTGTGCATACCAAGAGTCTACAAGAAGAGTGCCAACAGTGGACAGCTAGCTTT
CCTCACCTCAGGATTCTAGGTAGGCAGATAATCACTCCAAGTGAAGGTTATAGATTGTATCCTAGATCC
CCTTCTGCTGTTCCGCTTCATATGAAACAACCTTGTCTCAAGAAAGAGATTCTACTATATTTGGTATA
AGGGGAAAGAAGTTACATTTTTTCATCTTCTTATGCTCATAAAGCATCTTCCATTGCCAAATCCTCCAGC
TTTTGTTCTATGAAAGAGATGAGAAGACTCTATAATCGTCTCAGAAGGAATAATTGAGGAATACCTA
GCATTCGATCACATAGATATAGAAGAGGATTTTCATGGGAAGAAATCAGAAGCAGCTACAGAGAAACAG
AAATTAGGGTATCCTCCCATTGCTCCATTTTACTGCATGAAAGAAGATGTCTTGCTTATGTGTTTGAC
AGTGTATGGTGAAGGTTGTGAGCTGTATGGAGCAGTTGACACGTAGTCACTGGGAAGGATTTGCCCTCT
GATGATGAGAGTAATGTTGCAGTTACCAGACCCGATTCAGAAAGTTCCCTGTGTGCTGAGTGAACATCAT
CCTTTGGTGTTACCGCGAGTGCCACAGTCTAAGGTGCTGTACATTACCTCAAATCCGATGAGTCTCTGT
CAAGCAAGCAGACATCAGCCAAATGTGAATGATCTCTTGGTTCATGGAATGCCTCTACAGCCAAGAAAT
CTCTCCCTAATGGACAAGCTCCTAGATCTTGATGACAAGCTACTTATGAGGCCTGGGTCCAGTACCATC
CTTCAACTCGAAATGGCCAAATCGAGCTGTGGAGTTTAGTACATCATCTCTGCATACACAGTGCAG
TCCACCAGGAGACGCAATCCACCACCAGAACTTTCATCCGATCAGCAGGACCCATTTCATGTGCTGAA
ACACCAAGATCTGTGGAAGAAATCCTCAGAGGAGCCCGAGTCCCAGTGGCACCCGACTCGCTCTCCTCT
CCCTCACCGACGCCCTGAGTCGAAATAATCTGCTACCACCTATTGGCACAGCTGAAGTGGAAACATGTG
AGCACTGTGGGGCCACAAAGACAGATGAAACCCCATGGCGACTCTAGTCGAGCTCAAAGTGCAGTGGTG
GATGAACCTAACTATCAGCAGCCACAAGAAAGGCTCCTTTGCCCGACTTTTCCCAGGCCAACACA
ACTCAATCATTTTTGCTGGATACACAGTATCGTCGCTCATGTGCAGTTGAGTATCCTCATCAGGCCCGA
CCTGGCAGGGGATCTGCAGTCTCAGTACATGGGTCTACAAAATCTCAAAGCGGAGGCAGACCAGTC
TCTCGAACCGAGCAGGGACCATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
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- Restriction Sites:** SgfI-MluI
- ACCN:** NM_173348
- Insert Size:** 1749 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).
- 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:

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_173348.1](#)

RefSeq Size: 3149 bp

RefSeq ORF: 1749 bp

Locus ID: 317662

UniProt ID: [Q96BN6](#)

Cytogenetics: 10q22.2

MW: 64.6 kDa

Gene Summary: Involved in the localization of proteins to the cilium and cilium assembly. Indirectly regulates the signaling functions of the cilium, being required for normal SHH/smoothened signaling and proper development.[UniProtKB/Swiss-Prot Function]