

## Product datasheet for **RN201547**

### **Fam149b1 (NM\_001013878) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Fam149b1 (NM_001013878) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Fam149b1
Synonyms:	RGD1359592
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN201547 representing NM\_001013878  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAAGCTTGACCAGAATGCCACTGAGAAAGTGAAGGCCATGTTACGGCCATTGATGAGCTCCTGTATG  
 AACAGAAGCCGAGCGTGCACACAGAGCCTGCAGAAAGAGTGCCAGCAGTGGGCGTCCAGCTTCCCTCA  
 CCTCAGGATTCTGGGTAGGCAGATAATCACTTCGAGTGAAGGCTATGGATTGTACCTAGATCCCTTCT  
 GCTGTGCAGCTTACATGAAGCAATCTTGCTCAAGAAAGAGAGTCTACCATATTTGGTATAAGGGGAA  
 AGAAGTTACACTTTTCATCGTCTTACAAAGCATCTCCAGCACCAAGCCTCTGGCTCGTCTGCTGATGG  
 AGAGGAGGCGGACTGTATAATCTTCTGAAGGAATAATCGAGGAGTACCTAGCTTTTGACCACACAGAT  
 ATGGAAGAGGGATTTTCATGGAACAAATCAGAAGCAGCTACAGAGAAACAGAAGTTAGGGTACCCTCCCA  
 TTGCACCATTTTACTGCATGAAAGAGGATGTTCTTGCTTATGTGTTTGACAACGTGTGGAGCAAGGCTGT  
 GGGCTGTATGGAGCAGTTGACACGTAGTCACTGGGAGGGATTTGCTTCTGATGATGAGAGTAACGTTGAA  
 ATTACCAGACTGGATTCGGGAAGTCCCTATATGCTGAACGAACAGCAGCCTTTGGTCTTACCTCGAGTGC  
 CGCAGTCTAAGGTGATGTGAGTCACTCAAATCCGATGAATTTCTGTCAAGCAAGTGGTCAATCAGCCAAA  
 CGTGAATGGCCTCTTGATTATGGGATGCCTCTACAGCCAAGGAATCTCTCCCTGATGGATAAGCTCCTA  
 GATCTTGATGACAAGCTCCTCATGAGGCCTGGGTCCAGTTCCTGCTTTCAAACCGAAATTTGGCCAAACC  
 GAGCCATGGAGCTCAGTACATCATCCTTGTGATATACAACGCAGTCTGCCAGGAGGCGCAACCCCAACC  
 ACGCACCTTTCATCCGATCAGCAGGAGCCACTCACGCAGTGAACACCGTGGCCTGCAGAAGAAATCCTC  
 AGAGGACCCCGGCTTCCGATGACAGCAGACTCACTCTCTCTCCCTCACCATGACCATGGTTCGGAACA  
 ACCTGCTGCCACCTATTGGAACAGCTGATGTAGAGCACCTGAGCATCCTGGGGTCCCAACGGCCAAACAAA  
 ACCCCACGGTGATTCAGCCGAGCCGAAGTGCAGGCGGTGGACGAGCCTAACAGCAGCCCCAGGAGAGG  
 CTCTTCTGCCTGCTTCTCTAGACCAACACAACCTCAGTCGTTTCTGCCAGAAACACAGTACCGAAGCT  
 CATGTGCGTCTGAGTGCCTCATCACGCCCGCCTGGCAGGGGGTCTGCAGGCCCTCAGTCACATGGGTC  
 TACAAAACCTCAAAGCAGAGGTGGACCCATCTCTAGAACCAGGCAGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001013878
- Insert Size:** 1449 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\\_001013878.1](#), [NP\\_001013900.1](#)

RefSeq Size: 2147 bp

RefSeq ORF: 1449 bp

Locus ID: 289900

UniProt ID: [Q5PQL8](#)

Cytogenetics: 15p16

**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]