

## Product datasheet for **RC238195**

### **FAM113B (PCED1B) (NM\_001281429) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FAM113B (PCED1B) (NM_001281429) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FAM113B
Synonyms:	FAM113B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC238195 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATCCTTCTGCGGGCCTCCGAAGTGCAGCTGCTTACAATAAGTTCGTGGTCATCTGGGGACT  
 CTGTGCATAGGGCAGTACAAGGACCTGGTGCTTCTGCTGCAGAAGGACCGCTGCTACTCCCGGCA  
 GCTTAGAGCAAGGGGGAGCTGAACTTCGAACAAGATGAGCTGGTGGACGGAGGCCAGCGGGCCACATG  
 CACAACGGCCTTAACTACCGTGAGGTCCGCGAGTTCGCTCCGACCACCATCTGGTACGTTTTACTTCC  
 TCACCCGCGTGTACTCCGATTACCTCCAGACCATCTTGAAGAGCTGCAGTCGGGCGAGCACGCCCCGA  
 CCTGGTCATCATGAATTCCTGCCTCTGGGACATCTCCAGGTATGGTCCGAACTCTGGAGAAGCTACCTG  
 GAGAACCTGGAGAACCTGTTCCAGTGCCTGGGCCAGGTGCTGCCGAGTCTTGCCTCTGGTGTGGAACA  
 CGGCCATGCCTGTGGGCGAGGAAGTACCAGGGGTTTTCTCCGCCAAGCTCCGGCGGCAGAAGGCCAC  
 CTTCTGAAAAACGAAGTGGTCAAAGCCAACTTCCACAGCGCCACCGAGGCACGTAACATAACTTCGAT  
 GTACTGGACTTGCAATTCACCTTCGCCACGCGAGGGAGAACCTGCACTGGGACGGGTGCACTGGAATG  
 GACGTGTGCACCGCTGCCTCTCCAGCTGCTGCTGGCCACGTGGCCGACGCTGGGGTGTGGAGCTGCC  
 CCACCGCCACCCCGTGGGCGAGTGGATCAAAGAAGAAAAACCTGGCCGAGAGTCGAAGGGCCGCCACG  
 GCCAACAGAAATCACCGGCCTTACCTCTGTCCCACCTTACCTTCCCCACATACCGCCCCCTGCTTG  
 GTTCCCACCCAGCGCTTGCCGCTGCTCCCGCTCTGTCCCACAGCCTCTCTCCATTCTCCATCA  
 CCAGGGAATGCCCGGTTCCACAGGGTCCCCAGATGCCTGTTTTCTCAGACCATACTTCCAGTCG  
 GATCAATTCTATTGCCATTAGATGTCCCTCATCAGCCATGCAGGTTTCTTCGTCGAAGACAATTTA  
 TGTTGGTCTCAGCTGCCTATGCCCTTCTTCCCACACCCGTTATCAGCGGCTGCCCCAGTGGTACA  
 TAGGGGTTTTGGCAGGTATCGTCCCGTGGCCCTATACGCCCTGGGGACAGCGGCTCGACCTCAAAG  
 AGAAGGGCCCCAGCCAATCTGAGCCAAGGCTCAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238195 protein sequence  
 Red=Cloning site Green=Tags(s)

MILLRASEVRQLLHNKFVILGDSVHRVYKDLVLLQKDRLLTPGQLRARGELNFEQDELVDGGQRGHM  
 HNGLNYREVREFRSDHHLVRFYFLTRVYSDYLQILKELQSGEHAPDLVIMNSCLWDISRYGPNWSRYSYL  
 ENLENLFQCLGQVLPESCLLVWNTAMPVGEVETGGFLPPKLRRQKATFLKNEVVKANFHSATEARKHNF  
 VLDLHFHFRHARENLHWDGVHWNGRVRHCLSQLLAHVADAWGVELPHRHPVGEWIKKKKPGPRVEGPPQ  
 ANRNHPALPLSPPLPSPTYRPLLGFPPQRLPLLPLLSPPPPPIILHHQGMFRFPQPPDACFSSDHTFQS  
 DQFYCHSDVPSSAHAGFFVEDNFMVGPQLPMPFFPTPRYQRPAPVVHRGFGRYRPRGPYTPWGQRPRPSK  
 RRAPANPEPRPQ

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6413\\_b06.zip](https://cdn.origene.com/chromatograms/mk6413_b06.zip)

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001281429

**ORF Size:** 1296 bp

**OTI Disclaimer:** 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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001281429.1](#), [NP\\_001268358.1](#)

**RefSeq Size:** 1908 bp

**RefSeq ORF:** 1299 bp

**Locus ID:** 91523

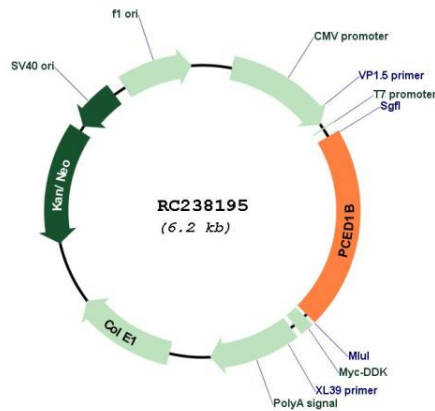
**UniProt ID:** [Q96HM7](#)

**Cytogenetics:** 12q13.11

**MW:** 49.7 kDa

**Gene Summary:** This gene encodes a protein that belongs to the GDSL/SGNH-like acyl-esterase family. Members of this family are hydrolases thought to function in modification of biopolymers on the cell surface. Alternate splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2013]

**Product images:**



Circular map for RC238195