

Product datasheet for **RG208647**

FAM113A (PCED1A) (NM_022760) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM113A (PCED1A) (NM_022760) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM113A
Synonyms:	bA12M19.1; C20orf81; FAM113A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG208647 representing NM_022760
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTCTTCTGTCTGTCTGAGCGAGGAGCCGCGCCGCCGCTGCGAAGCGACATGGTCCACTTCCAGGCC
 CGGAAGTCCAGCAGCTGCTACACAACAAGTTCGTGGTCATCTTGGGGACTCCATTAGAGGGCTGTGTA
 CAAGGACCTGGTCTCTTCTCCAGAAAGACTCACTGCTCACAGCTGCCAGCTGAAAGCCAAGGGGAG
 CTGAGCTTTGAACAGGACCAGCTGGTGGCTGGGGCCAGCTGGGCGAGCTGCACAACGGGACACAGTATC
 GTGAGGTCGCCAGTTCTGCTCGGGCTCTGGCCACCACCTTGTCGCTTCTACTTCTCACTCGTGTTTA
 CTCCGAGTACCTGAGGATGTTCTGGAAGAGCTGACATATGGACCTGCCCGGACCTGGTATCATCAAC
 TCCTGCCTCTGGGATCTCCAGATATGGTCGCTCAATGGAGAGCTACCGGGAACCTGGAGCGGG
 TGTTTGTGCGCATGGACCAAGTATTGCCAGACTCCTGCCTGCTGGTGTGGAACATGGCGATGCCCTCGG
 GGACGTATCACTGGGGTTTCTCCTGCCAGAGCTCCAGCCCTGGCAGGCTCCCTGCGCGGGATGTG
 GTTGAAGGGAACCTTACAGTGCTACGCTGGCCGGGACCACTGCTTGTATGTCCTAGACCTCCACTTTC
 ACTTCCGGCATGCAGTACAGCACCGTCATCGGGATGGTGTCCACTGGGACCAGCATGCACACCGCCACCT
 CTCACACCTGTTCTGACCCATGTGGCTGACGCCTGGGGCGTGGAGCTGCCAAGCGTGGCTATCCCCCT
 GACCCGTGGATTGAGGACTGGGCAGAGATGAATCATCCATTCCAGGGAAGCCATAGGCAGACCCAGACT
 TCGGGGAGCACCTGGCCTTGCTCCACCCCCACCTTCTTCTTGCCTCCTCCCATGCCTTTTCCCTACCC
 GCTTCTCAGCCCTGCCACCTCCCCTCTTCCACCCCTGCCAGGATACCCCTTTTTTCCAGGCCAG
 CCCTTCCACCCCATGAATTCTCAACTATAATCCAGTGGAGGACTTCTCGATGCCACCCCACTTAGGTA
 GTGGCCCTGGAGTGAACCTTGTGCCTGGCCCTTGCCACCTCCAATCCCTGGCCCTAATCCCATGGTCA
 GCACTGGGGCCAGTGGTCCACCGGGGATGCCACGCTATGTTCCCTAACAGCCCTTACCATGTGCGGAGA
 ATGGGGGGCCCTGCAGGCAGCGCTCAGACACTCAGAGAGACTGATCCACATACAACTGGACAGAC
 GCCTCCTGCCATTCCGGGACATGGCCTGGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG208647 representing NM_022760
 Red=Cloning site Green=Tags(s)

MVFCLSSEEP RRPLRSDMVHFQASEVQQLLHNKFVVILGDSIQRAVYKDLVLLLQKDSLLTAAQLKAKGE
 LSFEQDQLVAGGQLGELHNGTQYREVRQFCSGSGHHLVRFYFLTRVYSEYLEDVLEELTYGPAPDLVIIN
 SCLWDL SRYGRCSMESYRENLERVVRMDQVLPDSCLLVWNMAMPLGERITGGFLLPELQPLAGSLRRDV
 VEGNFYSATLAGDHCFDVLDLHFHFRHAVQHRHRDGVHWDQHHRHLSHLLLTHVADAWGVELPKRGYPP
 DPWIEDWAEMNHPPFQGS HRQTPDFGEHLALLPPPPSSLPPMPFPYPLQPSPPPLFPPLPQDTPFFPGQ
 PFPPEHFFNYNPVEDFSMPHLGCGPGVNFVPGPLPPP IPGPNPHGQHWGPVVHRGMPPRYVPNSPYHVRR
 MGGPCRQRLRH SERLIHTYKLD RRP PAHSGTWP G

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_022760

ORF Size: 1362 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_022760.6](#)

RefSeq Size: 1999 bp

RefSeq ORF: 1365 bp

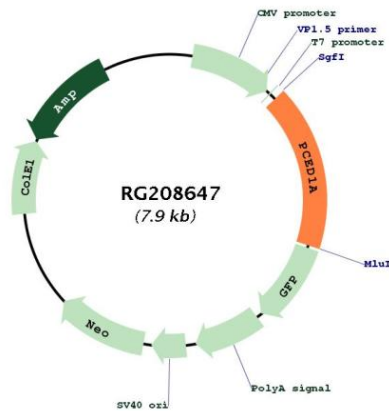
Locus ID: 64773

UniProt ID: [Q9H1Q7](#)

Cytogenetics: 20p13

Gene Summary: The protein encoded by this gene is a member of the GDSL/SGNH superfamily. Members of this family are hydrolytic enzymes with esterase and lipase activity and broad substrate specificity. This protein belongs to the Pmr5-Cas1p-esterase subfamily in that it contains the catalytic triad comprised of serine, aspartate and histidine and lacks two conserved regions (glycine after strand S2 and GxND motif). A pseudogene of this gene has been identified on the long arm of chromosome 2. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Sep 2012]

Product images:



Circular map for RG208647