

Product datasheet for SC123183

PHETA1 (NM_144671) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHETA1 (NM_144671) Human Untagged Clone
Tag:	Tag Free
Symbol:	PHETA1
Synonyms:	FAM109A; IPIP27A; SES1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_144671 edited

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CAAAGCGCTGCCGCCGCGTCGCCGCCACCGGGCCAGTCCCGAACCATTGGCCGGGCCACC
CCGCAACCTCGCGCCTCCCGTCCCGTCCCGGCCCTAGGCCTGCGCTGCGAGATGCAGAAA
CAGAGGCCCAGAGAGATGAATAGCCTGCCTGGGGTCCCCCAGCCAGATGCTGCAGAGCT
GACATTTGAATCCAGAGAAGAGCGAGCTGAGGCTGGAGCTGAGCAGAGGGCAGGGAGGCA
AGTGGTGGCTGAGAGGGCCCAGGCTCCCTCCAGGCCCGCGATTGCCACCATGAAGCT
GAACGAGCGCAGCCTGGCCTTCTACGCCACCTGTGACGCCCGGTGGACAATGCAGGCTT
CCTGTACAAGAAGGGTGGGCGGCACGCGGCTACCAACCGCGCTGGTTCGTGCTGCGCGG
GAACATGCTCTTCTACTTCGAGGACGCTGCCAGCCGTGAGCCCGTGGGCGTCATCATCCT
GGAGGGTGCACCTGTGGAGCTGGTGGAGGCCGCCGAGGAGTTCGCTTCGCTGTGCGCTT
TGCGGGGACCCGGGCGCGCACCTACGTGCTGGCCGCTGAGAGTCAGGATGCCATGGAGGG
CTGGGTCAAGGCCCTGTGCGGTGCCAGCTTCGACTACCTGCGGCTGGTGGTGCAGGAGCT
GGAGCAGCAGCTGGCGGCTGTACGTGGCGGGGTGGCATGGCCCTGCCCCAGCCCCAGCC
CCAGTCCCTGCCCTTGCCCCGTCCCTGCCCTCTGCCCTGGCCCCAGTCCCATCCCTGCC
TTCTGCCCCAGCCCCGGTCCCAGCCCTGCCCTGCCCGCCGGCCAGTGCCCTCCCGCC
CAAGGAGAATGGCTGCGCTGTCTGGAGCACTGAGGCCACCTTCAGGCCTGGACCCGAGCC
CCCTCCACCACCGCCTCGCCGCCGGGCTCGGCACCCACGGGCCCTGGACATGGCCCC
CTTCGCCCGGCTGCACGAGTGCTATGGCCAGGAGATCCGGGCCCTGCGTGGCCAGTGGCT
CAGCAGCCGGGTCCAGCCCTGAGGCCACCAGGGCGCCTGTTTTAGGGGACACAAGCTCT
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CTCCGGCCCCAGGCTGGCCTGAGCTGCCGGGCAGAGGCCGTGTGCTGGCAACAGGCATTGC
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GCACAGTTAGTGAGCTCCTGACCAGGCCTTCAGGGTGGACAGAGGGAGGATCGGTCATG
GCAGCCACACCTGGGCCTGGCCTTGCTCCGGGACCTGCCAGAGGAGCTGGCCTGGCTCTG

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TGCCTGCCTGCCTCCAGGAGCAGGACGGTGGCTGGGAGGGTAGTGA CTGGGACACAGGT
GCAGGTGTTAGTGCAGGACCGAAGGGTGAAGTGGCTGGTCTCGGGGCTCCTGGCCTG
GGCTGGCTGAGGCAGGACTCTGCCAAAAGTCCCCTGCCAGGCCTCATGGTGGTGCCTG
GTGGCAGTGGCTCTCTGGCCGCGGGCCCTGTCTGTGTCTCCGTGGTGGCTCTCACAGGGC
TCTCCAGACACTCCTTGA CTGATCCTTCAGTCTTGGCCCTAGGCCTGGGGCCCTTGG
GAGCTTGCCTGACCTCCCTTCTGGGCTGGGTAGCCATGGCCGAGGTGACCTTCTAGCA
GGTTCCCCCAGGGAGGGGAGGCCACAGCTGACTACCGCCTAGGAAGGCCAGGTGCTG
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CAGGCAGCCCCCTCTAACATGTCCCTCCTGAGCTCAGCCCCACCCCCATACTCCTGGT
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TGCCCATTTTTTATCCAGGGAGAACCTCGGGGTGGGACACCTCCTGGCCCTCACCTGG
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TGCCCCCGGGGAGAGGGGAGCTTGGGCTGGAGAAGCACAGCCAGAGACAGAGCCCTCG
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TGGGTGGCACAGGATCTGGGATGGGAGGGGTTCAGAGCTTCCAGAGCCCCGTGCTCT
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TCAAGGTACGTTGGCCCTGGTCTCCTGGGAGAGAGGGGTGAGGGATGTCCCTACCAAAG
CACAAGGTGGGATCAGGCTGCCTCCTGGGTTGGGTGTGGGGGAGCTGTCCGGCAGCCTG
GCAGGGAGATGAAGGGCTAAAGTAAAATTTTGTCAAGTAAAAAAAAAAAAA

**5' Read Nucleotide
Sequence:**

>OriGene 5' read for NM_144671 unedited
GTCCAAATTTTGTAAATACGACTCACTATAGGGCGGCNCGCAATCCCGGGATATCGTCGA
CCCACGCGTCCGCAAAGCGCTGCCGCGCCGTCGCCGCCACCGGGCCAGTCCCGAACCAT
GGCCGGGCCACCCCGCAACCTCGCGCCTCCCGTCCCGTCGCCGCCCTAGGCCTGCGCTGC
GAGATGCGAGAAACAGAGGCCAGAGAGATGAATAGCCTGCCTGGGGTCCCCAGCCAGAG
TGCTGCAGAGCTGACATTTGAATCCAGAGAAGAGCGAGCTGAGGCTGGAGCTGAGCAGAG
GGCAGGGAGGCAAGTGGTGGCCTGAGAGGCCCGAGGCTCCCTCCAGGCCCGCGATTGC
CACCATGAAGCTGAACGAGCGCAGCCTGGCCTTCTACGCCACCTGTGACGCCCGGTGGA
CAATGCAGGCTTCTGTACAAGAAGGGTGGGCGGCACGCGGCCTACCACCGGCGTGGTT
CGTGCTGCGGGGAACATGCTCTTCTACTTCGAGGACGCTGCCAGCCGTGAGCCCGTGGG
CGTCATCATCCTGGAGGGCTGCACTGTGGAGCTGGTGGAGGCCGCCGAGGAGTTTCGCTT
CGCTGTGCGCTTTGCGGGGACCCGGGCGCGCACCTACGTGCTGGCCGCTGAGAGTCAGGA
TGCCATGGAGGGCTGGGTCAAGGCCCTGTGCGGTGCCAGCTTCGACTACCTGCGGCTGGT
GGTGCGCGAGCTGGAGCAGCAGCTGGCGGCTGTACGTGGCGGGGGTGGCATGGGCCCTGC
CCAGCCCCAGCCCCAGTCCCTGCCCTGGCCCCGTCCCTGCCCTCTGCCCTGGCCCCAGT
CCCATACCTGCCTTTGCCCAAGCCCGGTACCAAGCCTGGCCCTGCCCGCCGCGCCAAT
GCCTTCCCGCCCAAGGAAAGGGTGGCCCTGTTTGA

Restriction Sites:

Please inquire

ACCN:

NM_144671

Insert Size:

3054 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:	<u>NM_144671.2</u> , <u>NP_653272.2</u>
RefSeq Size:	3054 bp
RefSeq ORF:	750 bp
Locus ID:	144717
UniProt ID:	<u>Q8N4B1</u>
Cytogenetics:	12q24.12
Gene Summary:	This gene encodes a protein that localizes to the endosome and interacts with the enzyme, inositol polyphosphate 5-phosphatase OCRL-1. Alternate splicing results in multiple transcript variants. [provided by RefSeq, May 2010] Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.