

Product datasheet for **SC321538**

Perilipin 3 (PLIN3) (NM_005817) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Perilipin 3 (PLIN3) (NM_005817) Human Untagged Clone
Tag:	Tag Free
Symbol:	Perilipin 3
Synonyms:	M6PRBP1; PP17; TIP47
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_005817.3
 CTGGTTTTGAAGTCGCGGCCGCTGTTCTGGGACGTCCGGTTGACCGCGCGTCTGCTGCA
 GAGACCATGTCTGCCGACGGGACAGAGGCTGATGGCAGCACCCAGGTGACAGTGGAAAGAA
 CCGGTACAGCAGCCCAGTGTGGTGGACCGTGTGGCCAGCATGCCTCTGATCAGCTCCACC
 TGCGACATGGTGTCCGACGCCTATGCCTCCACCAAGGAGAGCTACCCGCACATCAAGACT
 GTCTGCGACGCAGCAGAGAAGGGAGTGGAGACCCTCACGGCGGCTGCTGTCAGCGGGCT
 CAGCCGATCCTCTCCAAGCTGGAGCCCCAGATTGCATCAGCCAGCGAATACGCCACAGG
 GGGCTGGACAAGTTGGAGGAGAACCCTCCCATCCTGCAGCAGCCACGGAGAAGGTCCTG
 GCGGACACCAAGGAGCTTGTGTCGTCTAAGGTGTGCGGGGCCAAGAGATGGTGTCTAGC
 GCCAAGGACACGGTGGCCACCAATTGTCGGAGGCGGTGGACGCGACCCGCGGTGCTGTG
 CAGAGCGGCGTGGACAAGACAAAGTCCGTAGTGACCGGCGGCTCCAATCAGTCATGGGC
 TCCCGCTTGGCCAGATGGTGTGAGTGGGGTGCACACGGTGTGGGGAAGTCGGAGGAG
 TGGGCGGACAACCACCTGCCCTTACGGATGCCGAAGTGGCCGCATCGCCACATCCCTG
 GATGGCTTCGACGTCGCTCCGTGCAGCAGCAGCGGCAGGAACAGAGCTACTTCGTACGT
 CTGGGCTCCCTGTCGGAGAGGCTGCGGCAGCACGCCTATGAGCACTCGCTGGCAAGCTT
 CGAGCCACCAAGCAGAGGGCACAGGAGGCTCTGCTGCAGCTGTCCAGGCCCTAAGCCTG
 ATGGAAACTGTCAAGCAAGGCGTTGATCAGAAGCTGGTGGAAAGGCCAGGAGAAGCTGCAC
 CAGATGTGGCTCAGCTGGAACGAGAAGCAGCTCCAGGGCCCCGAGAAGGAGCCGCCAAG
 CCAGAGCAGGTCGAGTCCCGGGCGCTCACCATGTTCCGGGACATTGCCACGAACTGCAG
 GCCACCTGTACCTCCCTGGGGTCCAGCATTAGGGCCCTCCCACCAATGTGAAGGACCAG
 GTGCAGCAGGCCCGCCGAGGTGGAGGACCTCCAGGCCACGTTTTCCAGCATCCACTCC
 TTCCAGGACCTGTCCAGCAGCATTCTGGCCAGAGCCGTGAGCGTGTCCGACGCGCCCGC
 GAGGCCGTGGACCACATGGTGAATATGTGGCCAGAACACACCTGTACGTGGCTCGTG
 GGACCCTTTGCCCTGGAATCACTGAGAAAGCCCGGAGGAGAAGTGGGGGAGAGG
 AGAGGACTCAGCGGGCCCGTCTCTATAATGCAGCTGTGCTCTGGAGTCTCAACCCGGG
 GCTCATTCAAACCTATTTTCTAGCCACTCCTCCAGCTCTTCTGTGCTGTCCACTTGGG
 AAGCTAAGGCTCTCAAAACGGGCATCACCCAGTTGACCCATCTCTCAGCCTCTCTGAGCT
 TGGAGAAGCCTGTTCTGAGCCTCACCTATCAGTCAGTAGAGAGAGATGCCAGAAAAA
 ATATCTTTCAGGAAAGTCTCCCTGCAGAAATTTTTTTTCTTGTAAATATCAGGAATA
 TAGGCCGGGTGCGGTGGCTCACACCTGTAATCCCAGCATTGGGAGGCTGAGGCGGGCG
 GAACACCTGAGGTGAGGTGTTCCAGACCAGCCAGGCCAACATGGTGAACCCCGTCTCTA
 CTAATAATACAAAAAATGAGCCGGGCATGGTAGCAGGTGTCTGTTATCCAGTTAGG
 AGGCTGAGGCAAGAGAATCTCTTGAACCTGAGAGGCGGAGGTTGCAAGTGAACCAAGATCG
 CGCCATTGCACTCCAGCCTGGGGACAAGAGTGAAGTCTCAAAAAAAAAAAAAAAAAA
 GAAAAAAAAATCAGGGATATAGTTCATATCCCCTTCTTTGTTTACACCGATGTCCTTGA
 ATATCAGCCTGTAGCTAATGGACTTGGGATTTCTGGTCTAAGTGGGCTCCTGGGATGG
 GGTGGTACTGAGCTTCTGAGCCTCATTGTAGAGTAGAAAGGTAAGTGGGCTGTGTGG
 TAAGCCTTGTGAAATGCTCTGGTATTGCTTAAAGTAACTTCAACCCACAACCTG
 CAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_005817

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:	<ol style="list-style-type: none">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_005817.3</u> , <u>NP_005808.2</u>
RefSeq Size:	2241 bp
RefSeq ORF:	1305 bp
Locus ID:	10226
UniProt ID:	<u>O60664</u>
Cytogenetics:	19p13.3
Domains:	perilipin
Protein Families:	Druggable Genome
Gene Summary:	Mannose 6-phosphate receptors (MPRs) deliver lysosomal hydrolase from the Golgi to endosomes and then return to the Golgi complex. The protein encoded by this gene interacts with the cytoplasmic domains of both cation-independent and cation-dependent MPRs, and is required for endosome-to-Golgi transport. This protein also binds directly to the GTPase RAB9 (RAB9A), a member of the RAS oncogene family. The interaction with RAB9 has been shown to increase the affinity of this protein for its cargo. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Aug 2009] Transcript Variant: This variant (1) encodes the longest isoform (1).