

Product datasheet for **SC115407**

Pallidin (BLOC1S6) (NM_012388) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pallidin (BLOC1S6) (NM_012388) Human Untagged Clone
Tag:	Tag Free
Symbol:	Pallidin
Synonyms:	BLOS6; HPS9; PA; PALLID; PLDN
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115407 sequence for NM_012388 edited (data generated by NextGen Sequencing)

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ATGAGTGTCCCTGGGCCGTCGTCTCCGGACGGGGCCCTGACACGGCCACCCTACTGCCTG
GAGGCCGGGGAGCCGACGCCTGGTTTAAGTGACACTTCTCCAGATGAAGGGTTAATAGAG
GACTTGACTATAGAAGACAAAGCAGTGGAGCAACTGGCAGAAGGATTGCTTTCTCATTAT
TTGCCAGATCTGCAGAGATCAAAACAAGCCCTCCAGGAACACANNNAACCAAGTTGTA
TTGTTAGACACTGGAACAAGAGATTTCAAATTTAAAGAATGTCATTCTATGTTGGAT
ATTAATGCTTTGTTTGTGAGGCTAAACACTATCATGCCAAGTTGGTGAATATAAGAAAA
GAGATGCTGATGCTTCATGAAAAACATCAAAGTTAAAAAAGAGCACTTAAACTGCAG
CAGAAGAGGCAAAAAGAAGAGTTGAAAAGGAGCAGCAACGAGAGAAGGAGTTTAAAAGA
GAAAAGCAGTTAACTGCCAGACCAGCCAAAAGGATGTGA
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Clone variation with respect to NM_012388.2
226 c=>n;227 a=>n;228 g=>n



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_012388 unedited</p> <pre> ATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGGTTAGGTGCCGCCTTGCTTC TGACGAGCCCACGTTTGCTTCTCCCTGTGTTCCACAGCTGGAGGGACATGAGTGTCCCTG GGCCGTCGTCTCCGGACGGGGCCCTGACACGGCCACCCTACTGCCTGGAGGCCGGGGAGC CGACGCCTGGTTAAGTGACACTTCTCCAGATGAAGGGTTAATAGAGGACTTGACTATAG AAGACAAAAGCAGTGGAGCAACTGGCAGAAAGGATTGCTTTCTCATTATTTGCCAGATCTGC AGAGATCAAAAACAAGCCCTCCAGGAACACAAACCAAGTTGATTGTTAGACACACTGGA ACAAGAGATTTCAAATTTAAAGAATGTATTCTATGTTGGATATTAATGCTTTGTTTGC TGAGGCTAAACACTATCATGCCAAGTTGGTGAATAAAGAAAAGAGATGCTGATGCTTCA TGAAAAACATCAAAGTTAAAAAAAAGAGCACTTAAACTGCAGCAGAAGAGGCAAAAAGA AGAGTTGAAAGGGAGCAGCAACGAGAGAAGGAGTTGAAAGAGAAAAGCAGTTAACTGC CAGACCAGCCAAAAGGATGTGAAAAGTTGTGTTTGTGTTTTCTCTCCTGTCCCATAT TTGGGTTATGATGACTCAAGTGTAGACTGAAGTTGAGGTAGTGCCTTATGCCATTATGTC ATATGTTGAAATCCTTATTCNCGTATTACTGTGTCTCCATGCCTTTTTTCCAGTAGCAG ACGTCATGTTGCATGGGGTTTGATATTTATAATGTAAGTTTTCAAATTTGCTTAATTTT AAAATTATTATTTGATCTTGAATTATTATAACTGGAAAGTGGTNGATATTGTGAGTCA AACTCTAGTGGTAAAAATATATGAATTTTAGCTCTTATGATATGGATTAACCTCTCAGTC TATT </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_012388 unedited</p> <pre> ACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTCAAAGACCTTTTTTTTAT TAAATGTGTA AAAAGCAGTTCTCATCTTACAAGCTCAAAATCAGACGAATGTATGAGGGT GTATAATTGTTATATTTATAAACTGTATCACCCAAAACTCAATGAGGACACAATCTATA TTACATCAACATTTGCATATTTACATGATACTTACTGCAAAGTAAATACAAAATGAACT CCCATCATTTTAGTTCAAACACAGGTGATATAATTTCAAACAAAGGCAATTTTTTTTCA ACAAAGAACAGAAGTCTCCCAAGTACCAATTCATTTTTGCAGAAAAATACAACACTAA TTATAAGATTTCCATTCAGTTTGTAGTCAGTAAGATACGTTGTTTGTGTTTGTGTTT TGTTTTTAGAAACAGGGTCTCACTCTGTCATACGGGCTGGAGTTCAGTGGTGCATCAGA ATTCAGTGCAGCCTTGAACCTCTGGGCTCAAAGAATCTCCCACCTCAGCCTCCCAAAGC ACTGGGATTACAGGTGTGAGCCATCACAGTCTAATAAGGTATGTTTTTGTACTGAAATA CAGCTAAAGTTTTGGATTTTATTCACCAAAATAACAGTACTTTCTGGTTTACCAATTTGAC TTTTAAAATAAAGGATACTAATATATATTTTTCACATTTTTTTTTTAAATCTTCAAAC TGAAATACAATTCTGAAAGAATTTGTGCCCTGGCCTTTTGTTCATAAATTCTGATTTGG CTTTTAAACAGGCCCAAAGTTCAATTAGTCTACCCAGATTTCTATATTTTATTGCCTC GCTACCTGGGTTCAATTCTTAAGTCTGACTATTTTAAAGCCGCGAGCTTAGAATTTAT TCATTAATAATCCCAAATTAAGTACTTTTT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_012388
Insert Size:	6440 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_012388.2](#), [NP_036520.1](#)

RefSeq Size: 3959 bp

RefSeq ORF: 519 bp

Locus ID: 26258

UniProt ID: [Q9UL45](#)

Cytogenetics: 15q21.1

Gene Summary: The protein encoded by this gene may play a role in intracellular vesicle trafficking. It interacts with Syntaxin 13 which mediates intracellular membrane fusion. Mutations in this gene cause symptoms associated with Hermansky-Pudlak syndrome-9. Alternative splicing results in multiple transcript variants. A pseudogene related to this gene is located on the X chromosome. [provided by RefSeq, Aug 2015]
Transcript Variant: This variant (2) differs in the 5' UTR and 5' coding region and initiates translation at an alternate start codon, compared to variant 1. It encodes isoform 2, which has a shorter and distinct N-terminus, compared to isoform 1.