

Product datasheet for **RG201514**

Pallidin (BLOC1S6) (NM_012388) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pallidin (BLOC1S6) (NM_012388) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pallidin
Synonyms:	BLOS6; HPS9; PA; PALLID; PLDN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201514 representing NM_012388 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGTGTCCCTGGGCCGTCGTCTCCGGACGGGGCCCTGACACGGCCACCCTACTGCCTGGAGGCCGGGG
 AGCCGACGCCTGGTTTAAGTGACACTTCTCCAGATGAAGGGTTAATAGAGGACTTGACTATAGAAGACAA
 AGCAGTGGAGCAACTGGCAGAAGGATTGCTTTCTCATTATTTGCCAGATCTGCAGAGATCAAAACAAGCC
 CTCCAGGAACACACAGAACCAAGTTGTATTGTTAGACACACTGGAACAAGAGATTTCAAATTTAAAG
 AATGTCATTCTATGTTGGATATTAATGCTTTGTTGCTGAGGCTAAACACTATCATGCCAAGTTGGTGAA
 TATAAGAAAAGAGATGCTGATGCTTCATGAAAAACATCAAAGTTAAAAAAGAGCACTTAACTGCAG
 CAGAAGAGGCAAAAAGAAGATTGGAAGGGAGCAGCAACGAGAGAAGGAGTTTGAAGAGAAAAGCAGT
 TAACTGCCAGACCAGCCAAAAGGATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:	>RG201514 representing NM_012388 Red=Cloning site Green=Tags(s)
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MSVPGPSSPDGALTRPPYCLEAGEPTPGLSDTSPDEGLIEDLTIEDKAVEQLAEGLLSHYLPDLQRSKQA
 LQELTQNQVLLDTLEQEISKFKCHSMLDINALFAEAKHYHAKLVNIRKEMLMLEKTSKLKKRALKLQ
 QKRQKEELEREQREKEFEREKQLTARPAKRM

TRTRPLE - GFP Tag - V

Restriction Sites:	SgfI-MluI
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Cloning Scheme:



ACCN: NM_012388

ORF Size: 516 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_012388.4](#)

RefSeq Size: 3959 bp

RefSeq ORF: 519 bp

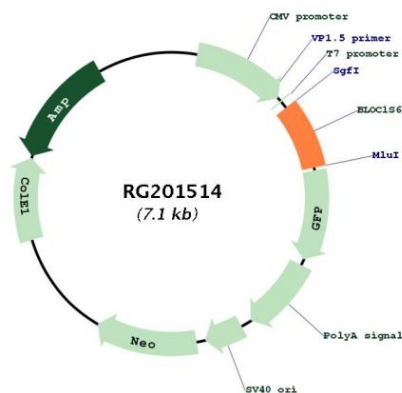
Locus ID: 26258

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]

Product images:



Circular map for RG201514