OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG202526

PITHD1 (NM_020362) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	PITHD1
Synonyms:	C1orf128; HT014; TXNL1CL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG202526 representing NM_020362
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCGCACGGTCACAGCCACGGCGGGGGTGGCTGCCGCTGCGCCGCCGAACGGGAGGAGCCGCCCGAGC
AGCGCGGCCTGGCCTACGGCCTGTACCTGCGCATCGACCTGGAGCGGCTGCAATGCCTTAACGAGAGCCG
CGAGGGCAGCGGCCGCGGCGTCTTCAAGCCGTGGGAGGAGCGGACCGACCGCTCCAAGTTTGTTGAAAGT
GATGCAGATGAAGAGCTTCTGTTTAATATTCCATTTACGGGCAATGTCAAGCTCAAAGGCATCATTATAA
TGGGAGAGGATGATGACTCACACCCCTCTGAGATGAGACTGTACAAGAATATTCCACAGATGTCCTTTGA
TGATACAGAAAGGGAGCCAGATCAGACCTTTAGTCTGAACCGGGATCTTACAGGAGAATTAGAGTATGCT
ACAAAAATTTCTCGTTTTTCAAATGTCTATCATCTCTCAATTCATATTTCAAAAAACTTCGGAGCAGATA
CGACAAAGGTCTTTTATATTGGCCTGAGAGGAGAGTGGACTGAGCTTCGCCGACACGAGGTGACCATCTG
CAATTACGAAGCATCTGCCAACCCAGCAGACCATAGGGTCCATCAGGTTACCCCACAGACACACTTTATT
TCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG202526 representing NM_020362
Red=Cloning site Green=Tags(s)

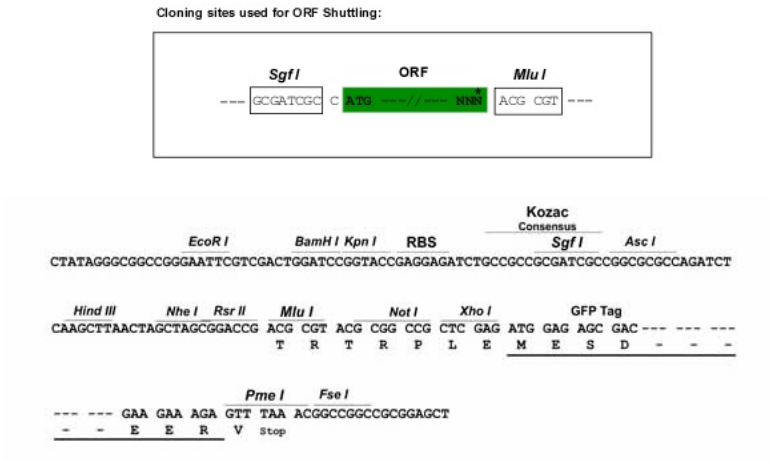
MSHGHSHGGGGCRCAAEREEPPEQRGLAYGLYLRIDLERLQCLNESREGSGRGVFKPWEERTDRSKFVES
DADEELLFNIPFTGNVKLKGIIIMGEDDDSHPSEMRLYKNIPQMSFDDTEREPDQTFSLNRDLTGELEYA
TKISRFSNVYHLSIHISKNFGADTTKVFYIGLRGEWTELRRHEVTICNYEASANPADHRVHQVTPQTHFI
S

TRTRPLE - GFP Tag - V

View online »

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_020362

ORF Size: 633 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_020362.5

RefSeq Size: 1631 bp

RefSeq ORF: 636 bp

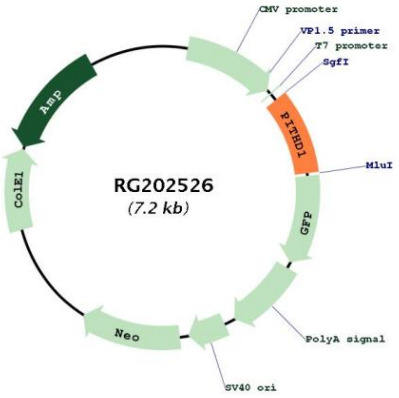
Locus ID: 57095

UniProt ID: Q9GZP4

Cytogenetics: 1p36.11

Gene Summary: Promotes megakaryocyte differentiation by up-regulating RUNX1 expression (PubMed:25134913). Regulates RUNX1 expression by activating the proximal promoter of the RUNX1 gene and by enhancing the translation activity of an internal ribosome entry site (IRES) element in the RUNX1 gene (PubMed:25134913).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG202526