

Product datasheet for **SC319249**

PITHD1 (NM_020362) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PITHD1 (NM_020362) Human Untagged Clone
Tag:	Tag Free
Symbol:	PITHD1
Synonyms:	C1orf128; HT014; TXNL1CL
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_020362.2 <pre> GGAGCTGAACGGCGCGGAGCTGGTCTGAGGCGAGCCGAGCCGAGCGAGCGCGCGGTGGG GCCGAGAGGACGCGCAGGTGGCGCGTTGCCATGTCGCACGGTCACAGCCACGGCGGGG TGGCTGCCGCTGCGCCGCCAACGGGAGGAGCCGCCGAGCAGCGCGCTGGCTACGG CCTGTACCTGCGCATCGACCTGGAGCGGCTGCAATGCCTTAACGAGAGCCGCGAGGGCAG CGGCCGCGGCTCTTCAAGCCGTGGGAGGAGCGGACCGACCGCTCCAAGTTTGTGAAAG TGATGCAGATGAAGAGCTTCTGTTTAATATTCCATTTACGGGCAATGTCAAGCTCAAAGG CATCATTATAATGGGAGAGGATGATGACTCACACCCCTCTGAGATGAGACTGTACAAGAA TATTCCACAGATGTCCTTTGATGATACAGAAAGGAGCCAGATCAGACCTTTAGTCTGAA CCGGGATCTTACAGGAGAATTAGAGTATGCTACAAAAATTTCTCGTTTTTCAAATGTCTA TCATCTCTCAATTCATATTTCAAAAACTTCGGAGCAGATACGACAAAGGTCTTTTATAT TGGCCTGAGAGGAGAGTGGACTGAGCTTCGCCGACACGAGGTGACCATCTGCAATTACGA AGCATCTGCCAACCCAGCAGACCATAGGGTCCATCAGGTTACCCACAGACACACTTTAT TTCCTAAGGGCTGGCCAAGGCTCCCATAGAGGCGCTGTGTCAAGTGAAGATGTACGACTAC CTGTTGGGAAGGACAAAGGGATGAGGCTCCAGAGAGAGTTGGCTGCCACAGCCTCTGCCA AGCTTTGTCTTTGGGGCTTGCTGCAGAACTGGCCTACGGAAGATACGACACCACTGGG AGGGTTGTGTAGGTGCCAGGGGACCATCGTGGTTCTTAGGGCGCTGTGGAATTGGGTC TTGGGCTGGGTGGCATCTGGCAGTCATGGGTAACACTTGCTTTTCCAGTTAATGTGGCCA TGTGATTCCAAGTGTCATGTTGCTTTGTGGCAAGATTGTTGTGTGACTTGTTTTTTTGT TTTGTTTTTTTTTTTAAAGGAACTATTTGTGGGCTATAGGAACTTTCTGATGCCTC CGGATTGTGTTAGTAGTACCATCAGGAGGGTCTCCAATAAAACACTTGTTCTGCTTG CTCCTTTCCCCTCTCATTGTTGAGCATTCTGTCAAGTTGCCAGCTTGGAGTTGTCTGT CACGCACATGTGCTGTGTTATAGCTAGAAGGACAGGAGTCTCCTGCTGATGCGTGAT AGCTTAAAGCTTGGGAGAGGTCCTTTTCACTGCCTAGCTAAGCAGTCTGGGAGAGCAT GGGGATCATTTCTATGTGTGTGGTAATCTGGTCAGTAAGATTGAGACTTAGTTAAGATT CCCCTTGGAAATTCCTTAATGTTTATTAGCTTCTAACTAGTGTGTAAGTCCGATGCCAG AATTTGGAGATTGAGTTCTTCTTTTCATGGCTTTTATCACTGTGACTAATAAGCTTCC TAATAATCCTTGCCAGACTTAAAAAAAAAAAAAAAAAAAAA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_020362
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:	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_020362.2, NP_065095.2</u>
RefSeq Size:	1631 bp
RefSeq ORF:	636 bp
Locus ID:	57095
UniProt ID:	<u>Q9GZP4</u>
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]