

Product datasheet for **SC324236**

HRPT2 (CDC73) (NM_024529) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HRPT2 (CDC73) (NM_024529) Human Untagged Clone
Tag:	Tag Free
Symbol:	HRPT2
Synonyms:	C1orf28; FIHP; HPTJT; HRPT1; HRPT2; HYX
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_024529.3
 GGCGAGGCGACAAGAGAAGAAGGAGGCAGGCGCGGCGGCAGCGGGCGCCCCGAGCCGG
 CCGAGGCGAGGGGGGGGAAGATGGCGGACGTGCTTAGCGTCTGCGACAGTACAACATCC
 AGAAGAAGGAGATTGTGGTGAAGGGAGACGAAGTGATCTTCGGGGAGTTCTCTGGCCCA
 AGAATGTGAAGACCAACTATGTTGTTTGGGGACTGAAAAGGAAGGCCAACCCAGAGAGT
 ACTACACATTGGATTCCATTTTATTCTACTTAATAACGTGCACCTTTCTCATCCTGTTT
 ATGTCCGACGTGCAGTACTGAAAATATTCCTGTGGTTAGAAGACCTGATCGAAAAGATC
 TACTTGGATATCTCAATGGTGAAGCGTCAACATCGGCAAGTATAGACAGAAGCGCTCCCT
 TAGAAATAGTCTTCAGCGATCTACTCAAGTCAAACGAGCTGCAGATGAAGTTTTAGCAG
 AAGCAAAGAAACCACGAATTGAGGATGAAGAGTGTGTGCGCCTTGATAAAGAGAGATTGG
 CTGCCCGTTTGGAGGGTCACAAAGAAGGGATTGTACAGACTGAACAGATTAGGTCTTTGT
 CTGAAGCTATGTCAGTGGAAAAATGCTGCAATCAAAGCCAAAATTATGGCTAAGAAAA
 GATCTACTATCAAGACTGATCTAGATGATGACATAACTGCCCTTAAACAGAGGAGTTTTG
 TGGATGCTGAGGTAGATGTGACCCGAGATATTGTCAGCAGAGAGAGAGTATGGAGGACAC
 GAACAACATCTTACAAAGCACAGGAAAGAATTTTTCCAAGAACATTTTTGCAATTCTTC
 AATCTGTAAAAGCCAGAGAAGAAGGGCGTGCACCTGAACAGCGACCTGCCCCAAATGCAG
 CACCTGTGGATCCCACTTTGCGCACAAACAGCCTATCCCAGCTGCCTATAACAGATACG
 ATCAGGAAAGATTCAAAGGAAAAGAAGAAACGGAAGGCTTCAAATTTGACTATGGGAA
 CCTACCATGGTATGACTGAAATCTGTAAACGGAGGGTGCATCTGCCCGAAGACTCAGA
 CTCCTGCAGCCCAGCCAGTACCAAGACCAGTTTCTCAAGCAAGACCTCCCCAAATCAGA
 AGAAAGGATCTCGAACACCCATTATCATAATTCCTGCAGTACCACCTCTTTAATAACCA
 TGCTTAATGCAAAAGACCTTCTACAGGACCTGAAATTTGTCATCAGATGAAAAGAAGA
 AACAAGGTTGTCAACGAGAAAAATGAAACTCTAATACAAAGAAGAAAAGACCAGATGCAAC
 CAGGGGGCACTGCAATTAGTGTTACAGTACCTTATAGAGTAGTAGACCAGCCCTTAAAC
 TTATGCCTCAAGACTGGGACCGCTTGTAGCCGTTTTTGTGAGGGTCTGCATGGCAGT
 TCAAAGGTTGGCCATGGCTTTTGCCTGATGGATCACCAGTTGATATATTTGCTAAAATTA
 AAGCCTTCCATCTGAAGTATGATGAAGTTCGTCTGGATCCAAATGTTTCAGAAATGGGATG
 TAACAGTATTAGAACTCAGCTATCACAACGTCATTTGGATAGACCAGTGTCTTACGGT
 TTTGGGAAACATTGGACAGGTACATGGTAAAGCATAAATCGCACTTGAGATTCTGAATTA
 TTTGGCTCCTCATTCTGGAAATGAGACTCAAGCTTTATGAATTTATCAAGAACTTAA
 AAATGAAGAAGGTCACAGATTGATCTTTTATAAGACCTTATTTGATGCTTTGTGCTTCAA
 GGAGATGATACCTGTATCCATATAAGCAAACCTTTTGGCTTACAACATTTTTTTAATA
 TTAGCCTTCTAGTCTGTAATGGAATTTGATATTTTATGAGAAGTTTTTCTCCATTGGT
 TAAATTAGCATTACTTAAATTTGTTTCTTTAGAAAATAAATGCAGGTTAATAATGTGTG
 TATATTTAGAGATTATAAGGCTCTCTGAGCCATCTTCTGATTTTTTCATTGCTCTATAATT
 CTTTTTACTGAAAATACTATGTTATGAATGGTATTAATTTTTAGTCTCTGGAACATCCAA
 AACCAAGCAAAGGGATGTGACTATTTTGAATGAATCAGAATGTCAACTTGATGTACACT
 ATATCTACACTTACTCATTATTTAAAAAGAATAATGAAAAATCTAGATCAATTAATAAAAA
 AAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_024529

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:	NM_024529.3 , NP_078805.3
RefSeq Size:	2980 bp
RefSeq ORF:	1596 bp
Locus ID:	79577
UniProt ID:	Q6P1J9
Cytogenetics:	1q31.2
Domains:	Cdc73
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a tumor suppressor that is involved in transcriptional and post-transcriptional control pathways. The protein is a component of the the PAF protein complex, which associates with the RNA polymerase II subunit POLR2A and with a histone methyltransferase complex. This protein appears to facilitate the association of 3' mRNA processing factors with actively-transcribed chromatin. Mutations in this gene have been linked to hyperparathyroidism-jaw tumor syndrome, familial isolated hyperparathyroidism, and parathyroid carcinoma. [provided by RefSeq, Jul 2009]