

Product datasheet for **SC112162**

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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC112162 sequence for NM_024529 edited (data generated by NextGen Sequencing)

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ATGGCGGACGTGCTTAGCGTCTGCGACAGTACAACATCCAGAAGAAGGAGATTGTGGT
AAGGGAGACGAAGTGATCTTCGGGGAGTTCTCCTGGCCCAAGAATGTGAAGACCAACTAT
GTTGTTTGGGGGACTGAAAGGAAGGCCAACCCAGAGAGTACTACACATTGGATTCCATT
TTATTTCTACTTAATAACGTGCACCTTTCTCATCTGTTTATGTCCGACGTGCAGCTACT
GAAAATATTCCTGTGGTTAGAAGACCTGATCGAAAAGATCTACTTGGATATCTCAATGGT
GAAGCGTCAACATCGGCAAGTATAGACAGAAGCGCTCCCTTAGAAATAGGTCTTCAGCGA
TCTACTCAAGTCAAACGAGCTGCAGATGAAGTTTTAGCAGAAGCAAAGAAACCACGAATT
GAGGATGAAGAGTGTGTGCGCCTTGATAAAGAGAGATTGGCTGCCCGTTTGGAGGGTAC
AAAGAAGGGATTGTACAGACTGAACAGATTAGGTCTTTGTCTGAAGCTATGTCAGTGAA
AAAATTGTGCAATCAAAGCCAAAATTATGGCTAAGAAAAGATCTACTATCAAGACTGAT
CTAGATGATGACATAACTGCCCTTAAACAGAGGAGTTTTGTGGATGCTGAGGTAGATGTG
ACCCGAGATATTGTCAGCAGAGAGAGAGTATGGAGGACACGAACAACATCTTACAAAGC
ACAGGAAAGAATTTTTCCAAGAACATTTTTGCAATTTCTCAATCTGTAAAAGCCAGAGAA
GAAGGGCGTGCACCTGAACAGCGACCTGCCCAATGCAGCACCTGTGGATCCCACCTTTG
CGCACCAAACAGCCTATCCCAGCTGCCTATAACAGATACGATCAGGAAAGATTCAAAGGA
AAAGAAGAAACGGAAGGCTTCAAATTGACACTATGGGAACCTACCATGGTATGACACTG
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CTACAGGACCTGAAATTTGTCCCATCAGATGAAAAGAAGAAACAAGGTTGTCAACGAGAA
AATGAACTCTAATACAAAGAAGAAAAGACCAGATGCAACCAGGGGGCACTGCAATTAGT
GTTACAGTACCTTATAGAGTAGTAGACCAGCCCTTAAACTTATGCCTCAAGACTGGGAC
CGCGTTGTAGCCGTTTTTGTGCAGGGTCTGCATGGCAGTTCAAAGGTTGGCCATGGCTT
TTGCTGATGGATCACCAGTTGATATATTTGCTAAAATTAAGCCTTCCATCTGAAGTAT
GATGAAGTTCGTCTGGATCCAAATGTTCCAGAAATGGGATGTAACAGTATTAGAATCAGC
TATCACAACGTCATTTGGATAGACCAGTGTCTTACGGTTTTGGGAAACATTGGACAGG
TACATGGTAAAGCATAAATCGCACTTGAGATTCTGA
    
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Clone variation with respect to NM_024529.4

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_024529 unedited
ACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCGGCCTGGGTGGCTACTGCCCTG
CTGCTGTCTAGGCGAGGACGGCTGTTAGTGCTGCTGCTGTTGGTTCGTGCGCGGGCGA
AGGAGGAGGAGGAAGAGGGCGAGGCGACAAGAGAAGAAGGAGGCAGGCGGGCGGCGAGCG
GCGGCGCCCGAGCCGGCGAGGGCGAGGGGGGGAAGATGGCGGACGTGCTTAGCGTCTT
GCGACAGTACAACATCCAGAAGAAGGAGATTGTGGTGAAGGGAGACGAAGTGATCTTCGG
GGAGTTCTCCTGGCCAAAGAATGTGAAGACCAACTATGTTGTTTGGGGGACTGGAAGGA
AGGCCAACCCAGAGAGTACTACACATTGGATTCCATTTTATTTCTACTTAATAACGTGCA
CCTTTCTCATCTGTTTATGTCCGACGTGCAGCTACTGAAAATATTCCTGTGGTTAGAAG
ACCTGATCGAAAAGATCTACTTGGATATCTCAATGGTGAAGCGTCAACATCGGCAAGTAT
AGACAGAAGCGCTCCCTTAGAAATAGGTCTTCAGCGATCTACTCAAGTCAAACGAGCTGC
AGATGAAGTTNTAGCAGAAGCANAGAAACCACGAATTGAGGATGAAGAGTGTGTGCGCTT
TGATAAAGAGAGATTGGCTGCCCGTTTGGAGGGTCAAAAAGAAGGGATTGTACANGACTG
ACAGATTANGTCTTTGTCTGAAGCTATGTCAAGTGGAAAAAATGCTGCNATCAAAGCCAN
AATTATGGCTAAGAAAGATCTACTANTCAGACTGATCTAGATGATGACCTANCTGCCCTT
AACAGNNAGATTTGTGATGCTGAGGTAATGTGACCCGAGATATTGCACCAAGAGAGAGT
TGGAGGGCCNNNACACTATCTTACAAGCCAGGAAGAATTTTTCCAGAACATTTTTGCATC
CTTCATTTGTAAGCCACAGAGAAGGGCGGCACTGAAAGGGACTGCCCAATGCAAACT
GTGGTCC
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_024529 unedited NNTTGTCTGGACCCGCGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTGAGTT AAAATATAGTTTTTATATTTTATACCATATTGAATACAGACATAAAAAATACCAGTGT TCTCTTGTCTTTTTCAGACAATTAAGCAAATGTTTTCTTTGGTGCCTGGGAGTTTATCA ATATTTAGGGATAATGGAAGATAAGAATCCAAGACTGACAAGCCTAAAAATAGAAGATTC AAAATCCTATACCATAAAAAATTACAATCAAAAGTGGACTAAAGAGAAAAGGAGCTTAAAG TTATACTGCAATAGGGCTGATACATATTCTTCCCCAAATCATACTCTGGCTCCCAAAT AAAAAATACTACAGCCTATTGTGGTTTTAATCTGTGTTTTGAGATTTTTTCAAATGGAA AGATATTACAGATAGAAACACATCATTCTAGGTTTCAAATCACCAAAGTCAGTGAGAAG AATGTACATTCATTTAAATGTAATCATTGTAAAAAAGAAATCTTGAAAAGGCTGAACA GTTCAATCAAATTGAAGAATTGATCTAGATTTTTTATTATTCTTTTTAAATAATGAGTAA GTGTAGATATAGTGTACATACAAGTTGACATTCTGATTCATTCAAATAGTCACATCCCT TTGCTTGGTTTTGGATGTTCCAGAGACTAAAATTAATACCATTCATAACATAGTATTTT CAGTAAAAAGAATTATAGAGCAATGAANAATCAGAAGATGGCTCAGAGAGCCTTATAATC TCTAAATATACACACATTTATAACCTGCATTTATTTTCTAAAGAAACANATTTTAAAGTA TGCTAATTTAACCAATGGAGAANNACTTCTATCANATATACAATTTCCATTACAGACTA GAAGGCTAATATAAAAAATAGTTGTAGCCCAAAGTTTGCTTATATGGATGACAGGTAT CATCTCCT
Restriction Sites:	ECoRI-NOT
ACCN:	NM_024529
Insert Size:	2770 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:	<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]