

Product datasheet for **SC122317**

HDPTP (PTPN23) (BC004881) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HDPTP (PTPN23) (BC004881) Human Untagged Clone
Tag:	Tag Free
Symbol:	HDPTP
Synonyms:	KIAA1471
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for BC004881 edited
GGCACGAGGCTCTACCCAGGTCCCCTCAAGACCCTCTGCCAGCCCACTCAGGGGCTCTG
CCTTTCCCAGCCCTGGGCCCCCTCAGCCTCCCCATCCCCCACTGGCATATGGTCCTGCC
CCTTCTACCAGACCCATGGGCCCCCAGGCAGCCCTCTTACCATTGAGGGCCCTCGTCT
GCTGGCCAGTCCACCCCTAGTCCCACCTGGTGCCTTACCTGCCCATCTCCAGGGCCT
GGTCCGGTACCCCTCGCCCCCAGCAGCAGAACCACCCCTTGCCTGCGCCGAGGGCCG
GCAGCTGCAGACCTGCTCTCCTCAGCCCGAGAGCCAGCATGGCGGCACTCAGTCTCCT
GGGGTGGGCAGCCCTGCTGCAGCCCAAGGTGGATGCAGCTGAGGGTCTGTCGGCCG
CAGGCCCTGCGGCTGATTGAGCGGGACCCCTATGAACATCCTGAGAGGCTGCGGCAGTTG
CAGCAGGAGCTGGAGGCCTTTCGGGGTCAGCTGGGGGATGTGGAGCTCTGGACTGTC
TGGCGAGAGCTGCAAGATGCGCAGGAACATGATGCCGAGGCCGTTCCATCGCCATTGCC
CGCTGCTACTCACTGAAGAACCGGCACCAGGATGTCATGCCCTATGACAGTAACCGTGTG
GTGCTGCGCTCAGGCAAGGATGACTACATCAATGCCAGCTGCGTGGAGGGGCTCTCCCCA
TACTGCCCCCGTAGTGGCAACCCAGGCCCACTGCCTGGCACAGCTGCTGACTTCTGG
CTCATGGTCCATGAGCAGAAAGTGTGAGTATTGTCATGCTGGTTTCTGAGGCTGAGATG
GAGAAGCAAAAAGTGGCAGCCTACTTCCCACCGAGAGGGGCCAGCCCATGGTGCACGGT
GCCCTGAGCCTGGCATTGAGCAGCGTCCGAGCACCGAAACCCATGTGGAGCGCGTGTG
AGCCTGCAGTTCCGAGACCAGAGCCTCAAGCGCTCTTGTGCACCTGCCTTCCCCTACT
TGGCCTGAGTTAGGCCTGCCCGACAGCCCACTTGTGCGCTTCCATCCAGGAGGTG
CACGCACATTACCTGCATCAGCGGCCGCTGCACACGCCCATATTGTGCACTGCAGCTCT
GGTGTGGCCGCACGGGAGCCTTGCAGTGTCTATGCAGCTGTGAGGAGGTGGAGGCT
GGGAACGGAATCCCTGAGCTGCCTCAGTGGTGCAGCGCATGCGGCAGCAGAGAAAGCAC
ATGCTGCAGGAGAAGCTGCACCTCAGTTCTGCTATGAGGCAGTGGTGGACACGTTGGAG
CAGGTCCTGCAGCGCCATGGTGTGCTCCTCCATGCAAACCCCTTGGCCAGTGAAGCATC
AGCCAGAAGAACCACCTTCTCAGGACTCCAGGACCTGGTCTCGGTGGGGATGTGCC
ATCAGCTCCATCCAGGCCACATTGCCAAGCTCAGCATTGCGCCTCCTGGGGGTTGGAG
TCCCCGGTTGCCAGCTTCCAGGCCCTGCAGAGCCCCAGGCCTCCCGCCAGCCAGCCTC
CCAGAGTCTACCCAATCCCATCTTCTCCCCACCCCTTCTCCCCACTACCTGAG
GCTCCCCAGCCTAAGGAGGAGCCGCGAGTGCCTGAAGCCCCAGCTCGGGGCCCCCTCC
TCCTCCCTGGAATTGCTGGCCTCCTTGACCCAGAGGCCTTCTCCCTGGACAGCTCCCTG
CGGGGCAACAGCGGATGAGCAAGCATAACTTTCTGCAGGCCATAACGGGCAAGGGCTG
CGGGCCACCCGGCCCTGACGACCCCTCAGCCTTCTGGATCCACTCTGGACACTCAAC
AAGACCTGAACAGGTTTTGCCTACCTGGTCCTTACACTACATCATCATCTCATGCCC
ACCTGCCACACCCAGCAGAGCTTCTCAGTGGGCACAGTCTTACTCCCATTTCTGCTG
CCTTTGGCCCTGCCTGGCCAGCCTGCACCCCTGTGGGTGGAAATGACTGCAGGCTCT
GGGTGAGGTTCTGCTCCTTATGGGACCCGACATTTTTCAGCTCTTTGCTATTGAAATAA
TAAACCACCTGTTCTGTGAAAAAAAAAAAAAAAAAAAAA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC004881 unedited NNAATTACGNCATTTGTNATACGACTCACTATAGAGGCGGCCGATTTCGGCACGAGGCT CTACCCAGGTCCCCTCAAGACCCTCTGCCATCCCCTCAGGGGCTCTGCCTTTCCCCAG CCCTGGGCCCCCTCAGCCTCCCCATCCCCACTGGCATAATGGTCTGCCCTTCTACCAG ACCCATGGGCCCCCAGGCAGCCCCTCTTACCATTGAGGGCCCTCGTCTGCTGGCCAGTC CACCCCTAGTCCCACCTGGTGCCTTACCTGCCCATCTCCAGGGCTGGTCCGGTACC CCCTCGCCCCCAGCAGCAGAACCCACCCCTTGCCTGCGCCGAGGCGCCGAGCTGCAGA CCTGCTCTCCTCAGCCGGAGAGCCAGCATGGCGGCACTCAGTCTCCTGGGGTGGGCA GCCCTGTCTGCAGCCACCAAGGTGGATGCAGTGAAGTCTGCGCCGAGGCCCTGCG GCTGATTGAGCGGGACCCTATGAACATCCTGAGAGGCTGCGGCAGTTGCAGCAGGAGCT GGAGGCCCTTCGGGGTCACTGGGGATGTGGGAGCTCTGGACTGTCTGGCAGAGCT GCAAGATGCGCATGAACATGATGCCGATGCCGTTCCATGCCATTGCCCGCTGCTACTC ACTGAAGAACCGCACCAGGATGTCATGCCCTATGACAGTAACCGTGTGGTGTGCGCTC ANGCAATGATGACTACATCAATGCCAGCTGCGACGAGGGGCTCTCCCATACTGCCCCC GCTAGTGGCAACCCATGGCCCCACTGCCTGGCACAGCTGCTGACTTCTGGCTCATGGTCC ATGANCAAGTGTGATCATTGTCATGCTGGTTNCTGAGCTGANATGGAAN
Restriction Sites:	Please inquire
ACCN:	BC004881
Insert Size:	2138 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:	BC004881.1 , AAH04881.1
RefSeq Size:	2138 bp
Locus ID:	25930
Cytogenetics:	3p21.31
Protein Families:	Druggable Genome

Gene Summary:

This gene encodes a member of the non-receptor type protein-tyrosine phosphatase family. The encoded protein may be involved in the regulation of small nuclear ribonucleo protein assembly and pre-mRNA splicing by modifying the survival motor neuron (SMN) complex. The encoded protein additionally plays a role in ciliogenesis and is part of endosomal sorting complex required for transport (ESCRT) pathways. This gene may serve a tumor suppressor function. [provided by RefSeq, Jul 2016]