

Product datasheet for **SC318362**

PTCHD1 (NM_173495) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PTCHD1 (NM_173495) Human Untagged Clone
Tag:	Tag Free
Symbol:	PTCHD1
Synonyms:	AUTSX4
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_173495, the custom clone sequence may differ by one or more nucleotides

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ATGCTGCGGCAGGTTCTGCACAGGGGCTTGAGGACGTGTTTCTCCCGGCTCGGCCACTTC
ATTGCCAGTCACCCTGTCTTCTTCGCCTCGGCGCCGGTGCATCTCCATCCTGCTCGGC
GCCAGTTCAGCCGCTACCAGGTCGAGGAGAGCGTGGAGCACCTGCTGGCGCCCCAGCAC
AGCCTGGCCAAGATCGAGCGCAACCTCGTTAACAGCCTTCTCCGGTCAACCGCTCCAAG
CACCGTCTACTCGGACCTGCAGACCCCGGGCGCTACGGCCGGGTCACTGTCACCTCC
TTCAGAAAGCCAACATGCTGGACCAGCATCACACCGACCTGATCTTAAAGTTGCATGCT
GCTGTACCAAGATCCAGGTTCCAAGGCCTGGTTTTAATTACACGTTTGCCCATATATGT
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AAGGACGGGAGGGCTGTGTACAATGGGCACCAGCTTGGGGCGTCACTGTGCACAGCAA
GACCGGTGAAATCTGCAGAGGCCATCCAGCTCACCTACTACCTGCAGTCAATCAACAGT
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CAGAAATCCAACAGCAAAGTCAAAATGTACCCTTACACGTCCTCCTCACTGAGGGAAGAT
TTCAGAAAGACCAGCCGGTATCAGAACGTTACCTGGTACCAGCCTGATTCTGGTGGTT
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TATGGTTCCAGCCTAGTGTTCAGTGGCTACATAGAAAACAATTACCAGCATAGTATCTTC
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TATGAGTCTATAGAATACTGGAACACTAGTGTCCAAGAAGATGTTCTAGAATACCCAAG
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CCTCAATTTTACATTTTCAAGAGGACATCATCTTCTCTAAAAATAAATGATGAGGTC
GATGTAGTGGCCTCCAGAATGTTTTTGGTGGCCAAAGCATGGAACAAACAGAGAAGAA
CTCTATGATCTCTTGGAAACCCTGAGGAGACTTCTGTCACTCCAAGGTGAAGTTCATC
GTCTTCAATCCGTCCTTTGTATACATGGATCGATATGCCTCCTCTCTGGGAGCCCCCTG
CACAACCTGTCATCAGTGTCTTGTCTGCTCTTCTTCTCGGCATTCTGGTGGCAGAT
TCACTGATTAACGTCTGGATCACTCTCACAGTTGTCCGTGGAGTTTGGAGTGATAGGT
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TTCACAAGAACTAAATGGGTAAAAAATGCCCTGGAAGTGCATGGGGTAGCTATTTTACAG
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TGTACACTGTTACAGTGTCTGTTTTAATAGCATTGTGCACCTTCTTCTCACTGCTTTGCC
ATTTTACCTGTGATACTGACTTCTGCCACCCTCTAAGAAAAAAGGAAAGAGAAGAAA
AATCCTGAGAACCGGGAGGAAATGAGTGTGTAGAAATGGTAGATATCGATAGTACCCGT
GTGGTTGACCAAATTACAACAGTG
    
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Restriction Sites: Please inquire

ACCN: NM_173495

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:	<u>NM_173495.2</u> , <u>NP_775766.2</u>
RefSeq Size:	5305 bp
RefSeq ORF:	2667 bp
Locus ID:	139411
UniProt ID:	<u>Q96NR3</u>
Cytogenetics:	Xp22.11
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	This gene encodes a membrane protein with a patched domain. The encoded protein is similar to Drosophila proteins which act as receptors for the morphogen sonic hedgehog. Deletions in this gene, which is located on the X chromosome, are associated with intellectual disability and autism (PMID: 21091464, PMID: 20844286). [provided by RefSeq, Aug 2011]