

Product datasheet for **RC212638**

PTCHD1 (NM_173495) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PTCHD1 (NM_173495) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PTCHD1
Synonyms:	AUTSX4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC212638 representing NM_173495
Red=Cloning site Blue=ORF Green=Tags(s)

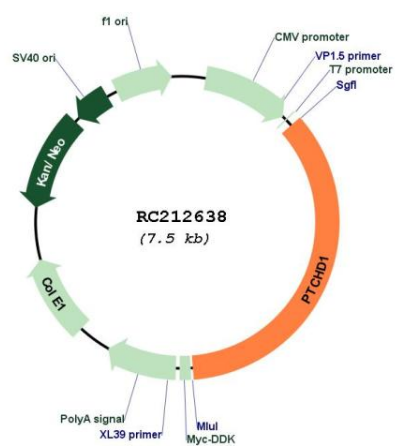
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GCC**CGCATCGCC**

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ACCCTGTCTTCTCGCCTCGGCGCCGGTCTCATCTCCATCCTGCTCGGCGCCAGCTTCAGCCGCTACCA
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GCCGGGTATCGTCACCTCCTCCAGAAAGCCAACATGCTGGACCAGCATCACACCGACCTGATCTTAAA
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AGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

ORF Size:	2664 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_173495.3
RefSeq Size:	5305 bp
RefSeq ORF:	2667 bp
Locus ID:	139411
UniProt ID:	Q96NR3
Cytogenetics:	Xp22.11
Protein Families:	Druggable Genome, Transmembrane
MW:	101.2 kDa
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]

Product images:



Circular map for RC212638