

Product Information

MemDX™ Membrane Protein Human PTCHD1 (Patched domain containing 1) Full Length

Cat. No.: **MPC4600K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human PTCHD1 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

PTCHD1

Protein Length

Full length

Protein Class

Receptor

TMD

11

Sequence

MLRQVLHRLRRTCF SRLGHFIASHPVFFASAPVLISILLGASFSRYQVEE
SVEHLLAPQHSLAKIERNLVNSLFPVNRSKHRLYSDLQTPGRYGRVIVTS
FQKANMLDQHHTDLILKLHAAVTQIQVPRPGFNYTFAHICILNNDKTCIV
DDIVHVLEELKNARATNRTNFAITYPITHLKDGRAVYNGHQLGGVTVHSK
DRVKSAAEAIQLTYLQSLNNDMVAERWESSFCDTVRLFQKSNSKV KMY
PYTSSSLREDFQKTSRV SERYLVTS LILVVTMAILCCSMQDCVRSKPWL G
LLGLVTISLATLTAAGIINLTGGKYNSTFLGVPPFV MLGHGLYGT FEM LSS
WRKTREDQHV KERTA AAVYADSMLSFSLT TAMYLVTFGIGASPFTNIEAAR
IFCCNSCIAIFFNYLYVLSFYGSSLVFTGYIENNYQHSIFCRKVPKPEAL
QEKP AWYRFLLTARFSED TAEGEEANTYESHLLVCFLKRYCDWITNTYV
KPFVVL FYLIYISFALMGYLQVSEGS DLSNIVATATQTIEYTTAQQKYFS
NYSPVIGFYIYESIEYWNTSVQEDVLEYTKGFVRISWFESYLN YLRKLN V
STGLPKKNFTDMLRNSFLKAPQFSHFQEDIIFS KKYNDEVDVVASRMFLV
AKTMETNREELYDLLET LRRLSVTSKV K FIVFNPSFVYMDRYASSLGAPL
HNSCISALFLLFFSAFLVADSLINWITLVVSVEFGVIGFMTLWKVELD
CISVLCLIYGINYTIDNCAPMLSTFVLGKDFTRTKWVKNALEVHGVAILQ
SYLCYIVGLIPLAAVPSNLTCTLFRCFLIAFVTFFHCFAILPVILTFLP
PSKKKRKEKKNPENREEIECVEMVDIDSTRVVDQITTV

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

PTCHD1

Full Name

Patched domain containing 1

Introduction

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.

Alternative Names

PTCHD1; AUTSX4; patched domain-containing protein 1; Patched domain containing 1

Gene ID

[139411](#)

UniProt ID

[Q96NR3](#)