

Product Information

MemDX™ Membrane Protein Human NOTCH4 (Notch receptor 4) Full Length

Cat. No.: **MPC2873K**

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

This product is a made-to-order Human NOTCH4 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

NOTCH4

Protein Length

Full length

Protein Class

Receptor

TMD

1

Sequence

MQPPSLLLLLLLLLLLCVSVVRPRGLLCGSFPEPCANGGTCLSLSLGQGT
CQCAPGFLGETCQFPDPCQNAQLCQNGGSCQALLPAPLGLPSSPSPLTPS
FLCTCLPGFTGERCQAKLEDPCPPSFCSKRGRCHIQAASGRPQCSCMPGWT
GEQCQLRDFCSANPCVNGGVCLATYPQIQCHCPPGFEGHACERDVNECFQ
DPGPCPKGTSCHNTLGSFQCLCPVGQEGPRCEL RAGPCPPRGCSNNGGTCQ
LMPEKDSTFHLCLCPPGFIGPDCEVNPDCVSHQCQNGGTCQDGLDITYC
LCPETWTGWDCSEDVDECETQGPPHCRNNGGTCQNSAGSFHCVCVSGWGGT
SCEENLDDCIAATCAPGSTCIDRVGSFSCLCPPGRTGLLCHLEDMCLSQP
CHGDAQCSTNPLTGSTLCLCQPGYSGPTCHQDLDECLMAQQGPSPCEHGG
SCLNTPGSFNCLCPPGYTGSRCADHNECLSQPCHPGSTCLDLLATFHCL
CPPGLEGLCEVETNECASAPCLNHADCHDLLNGFQCICLPGFSGTRCEE
DIDECRSSPCANGGQCQDQPGAFHCKCLPGFEGPRCQTEVDECLSDPCPV
GASCLDLPGAFFCLCPSGFTGQLCEVPLCAPNLCQPKQICKDQKDKANCL
CPDGSPGCAPPEDNCTCHHGHCCRSSCVCDVGTGPECEAELGGCISAPC
AHGGTCYPQPSGYNCTCPTGYTGPTCSEEMTACHSGPCLNGGSCNPSPGG
YYCTCPPSHTGPQCQTSTDYCVSAPCFNGGTCVNRPGTFSLCAMPGFQGP
RCEGKLRPSCADSPCRNRATCQDSPQGPRCLCPTGYTGGSCQTLMDLCAQ
KPCPRNSHCLQTGPSFHCLCLQGWTGPLCNLPLSSCQKAALSQGIDVSSL
CHNGGLCVDSGPSYFCHCPPGFQGSCLQDHVNPCESRPCQNGATCMAQPS
GYLCQCAPGYDGQNCSELDACQSQPCHNHGTCTPKPGGFHCACPPGFVG
LRCEGDVDECLDQCHPTGTAACHSLANAFYCQLPGHTGQWCEVEIDPC
HSQPCFHGGTCEATAGSLGFICHCPKGFEGPTCSHRAPSCGFHHCHHGG
LCLPSPKPGFPPRCACLSGYGGPDCLTPAPKGC GPPSPCLYNGSCSETT
GLGGPGFRCSCHSSPGPRCQKPGAKGCEGRSGDGACDAGCSGPGGNWDG

GDCSLGVDPDPWKGCPSHSRCWLLFRDGGQCHPQCDSEECFLFDGYDCETPPA
CTPAYDQYCHDHFHNGHCEKGCNTAECGWDGGDCRPEDGDPEWGPSLALL
VVLSPPALDQQLFALARVLSLTLRVGLWVRKDRDGRDMVYPYPGARAEK
LGGTRDPTYQERAAPQTQPLGKETDLSAGFVVVMGVDLSRCGPDHPASR
CPWDPGLLLRFLAAMAAVGALEPLLPGLLAVHHPHAGTAPPANQLPWPVL
CSPVAGVILLALGALLVLQLIRRRRREHGALWLPPGFTRRPRTQSAPHRR
RPPLGEDSIGLKALKPKAEVDEDDGVVMCSGPEEGEEVGQAETGPPSTCQ
LWSLSGGCGALPQAAMLTTPQESEMEAPDLDRGPDGVTPPLMSAVCCGEV
QSGTFQGAWLGCPEPWEPLLDGGACPAHTVGTGETPLHLAARFSRPTAA
RRLEAGANPNQPDRAGRTPPLHAAVAADAREVCQLLLRSRQTAVDARTED
GTTPLMLAARLAVEDLVEELIAAQADV GARDKWGKTALHWAAAVNNARAA
RSLQAGADKDAQDNREQTPLFLAAREGAVEVAQLLLGLGAARELRDQAG
LAPADVAHQNRNHWDLTLLEGAGPPEARHKATPGREAGPFPRARTVSVSV
PPHGGGALPRCRTLSAGAGPRGGGACLQARTWSVDLAARGGGAYSHCRSL
SGVGAGGGPTPRGRRFSAGMRGPRPNPAIMRGYGVAAAGRGGRVSTDDWP
CDWVALGACGSASNIPIPPCLTPSPERGSPQLDCGPPALQEMPINQGGE
GKK

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

NOTCH4

Full Name

Notch receptor 4

Introduction

This gene encodes a member of the NOTCH family of proteins. Members of this Type I transmembrane protein family share structural characteristics including an extracellular domain consisting of multiple epidermal growth factor-like (EGF) repeats, and an intracellular domain consisting of multiple different domain types. Notch signaling is an evolutionarily conserved intercellular signaling pathway that regulates interactions between physically adjacent cells through binding of Notch family receptors to their cognate ligands. The encoded preproprotein is proteolytically processed in the trans-Golgi network to generate two polypeptide chains that heterodimerize to form the mature cell-surface receptor. This receptor may play a role in vascular, renal and hepatic development. Mutations in this gene may be associated with schizophrenia. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed.

Alternative Names

NOTCH4; INT3; neurogenic locus notch homolog protein 4; Notch homolog 4; notch 4; Notch receptor 4

Gene ID

[4855](#)

UniProt ID

[Q99466](#)