

Product Information

MemDX™ Membrane Protein Human NOTCH2 (Notch receptor 2) Full Length

Cat. No.: **MPC2179K**

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

This product is a 265.4 kDa Human NOTCH2 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

NOTCH2

Protein Length

Full length

Protein Class

Receptor

Molecular Weight

265.4 kDa

TMD

1

Sequence

MPALRPALLWALLALWLCCAAPAHALQCRDGYEPCVNEGMCVITYHNGTGY
CKCPEGFLGEYCQHRDPCEKNRCQNGGTCVAQAMLGKATCRCASGFTGED
CQYSTSHPCFVSRPCLNGGTCHMLSRDYEECTCQVGFTGKECQWTDACLS
HPCANGSTCTTVANQFSCKCLTGFTGQKCETDVNECDIPGHCQHGGTCLN
LPGSYQCQCPQGFTGQYCDSLYVPCAPSPCVNGGTCRQTGDFTFECNCLP
GFEGSTCERNIDDCPNHRCQNGGVCVDGVNTYNCRCPPQWTGQFCTEDVD
ECLLPNACQNGGTCANRNGGYGCVCVNGWSGDDCSENIDDCAFASCTPG
STCIDRVASFSCMCPEGKAGLLCHLDDACISNPCHKGALCDTNPLNGQYI
CTCPQGYKGADCTEDVDECAMANSNPCEHAGKCVNTDGAHFCECLKGYAG
PRCEMDINECHSDPCQNDATCLDKIGGFTCLCMPGFKGVHCELEINECQS
NPCVNNQQCVDKVNRFQCLCPPGFTGPVCQIDIDCSSTPCLNGAKCIDH
PNGYECQCATGFTGVLCEENIDNCDPDPCHHGQCQDGDIDSYTCICNPGYM
GAICSDQIDEYSSPCLNDGRCIDLVNGYQCNCQPGTSGVNCEINFDDCA
SNPCIHGICMDGINRYSVCVSPGFTGQRCNIDIDECASNPCRKGATCING
VNGFRICPEGPHHPSCYSQVNECLSNPCIHGNCTGGLSGYKCLCDAGWV
GINCEVDKNECLSNPCQNGGTCNLDVNGYRCTCKKGFKGYNCQVNIDCA
SNPCLNQGTCFDDISGYTCHCVLPYTGKNCQTVLAPCSPNPCENAAVCKE
SPNFESYTCLCAPGWQGQRCTIDIDECISKPCMNHGLCHNTQGSYMCECP
PGFSGMDCEEDIDDCLANPCQNGGSCMDGVNTFSLCLPGFTGDKCQDTM
NECLSEPCKNGGTCSQVNSYTCQAGFDGVHCENNINECTESSCFNGG
TCVDGINSFSLCPVGFTGSFCLHEINECSSHPCLNEGTCVDGLGTYRCS

CPLGYTGKNCQTLVNLCSPCKNKGTCVQKKAESQCLCPSGWAGAYCDV
PNVSCDIAASRRGVLVEHLCQHSGVCINAGNTHYCQCPLGYTGSYCEEQL
DECASNPCQHGHATCSDFIGGYRCECVPGYQGVNCEYEVDECQNQPCQNGG
TCIDLNVNHFKCSPPGTRGLLCEENIDDCARGPHCLNGGQCMDRIGGYSC
RCLPGFAGERCEGDINECLSNPCSSEGLDCIQLTNDYLCVCRSAFTGRH
CETFVDVCPQMPCLNNGGTCAVASNMPDGFICRPPGFSGARCQSSCGQVK
CRKGEQC VHTASGPRFCPSPRDCESGCASSPCQHGGSCHPQRQPPYYSC
QCAPPFSGSRCELYTAPPSTPPATCLSQYCADKARDGVCDEACNSHACQW
DGGDCSLTMENPWANCSSPLPCWDYINNQCDELNTVECLFDNFECQGNS
KTCKYDKYCADHFKDNHCDQGCNSEECGWDGLDCAADQPENLAEGTLVIV
VLMPPPELLQDARSFLRALGTLHTNLRIKRDSQGELMVYPYYGEKSAAM
KKQRMTRRSLPGEQEVEVAGSKVFLEIDNRQCVQDSHCFKNTDAAAALL
ASHAIQGTLSYPLVSVVSESLTPERTQLLYLLAVAVVILFIILLGVIMA
KRKRKHGSLWLPEGFTLRRDASNHRREPVGQDAVGLKNLSVQVSEANLI
GTGTSEHWVDDEGPQPKKVKAEDEALLSEEDDPIDRRPWTQQHLEAADIR
RTPSLALTTPPQAEQEVLDVNVVRGPDGCTPLMLASLRGGSSDLSDEDED
AEDSSANIITDLVYQGASLQAQTDRGTGEMALHLAARYSRADAARKRLDAG
ADANAQDNMGRCPHLAAVAADAQGVFQILIRNRVTDL DARMNDGTTPLIL
AARLAVEGMVAELINCQADVNAVDDHGKSALHWAAVNNVEATLLLLKNG
ANRDMQDNKEETPLFLAAREGSYEA AKILLDFANRDITDHMDRLPRDVA
RDRMHHDIVRLLEDEYNVTPSPPGTVLTSALSPVICGPNRSFLSLKHTPMG
KKSRRPSAKSTMPSTLPNLAKEAKDAKGSRRKSLSEKVQLSESSVTLSP
VDSLESPHTYVSDTTSSPMITSPGILQASPNPMLATAAPPAPVHAQHALLS
FSNLHEMQPLAHGASTVLPVSQQLSHHHIVSPGSGSAGSLRLHPVPVP
ADWMNRMEVNETQYNEMFGMVLPAPAEGLTHPGIAPQSRPPEGKHITTPREP
LPPIVTFQLIPKGSIAQAPAGAPQPQSTCPPAVAGPLPTMYQIPEMARLPS
VAFPTAMMPQQDQGVAQTILPAYHPFPASVGKYPTPPSQHSYASSNAAER
TPSHSGHLQGEHPYLTSPESPQDQWSSSSPHSASDWSDVTTSPTPGGAGG
GQRGPGTHMSEPPHNNMQVYA

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

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

NOTCH2

Full Name

Notch receptor 2

Introduction

This gene encodes a member of the Notch family. Members of this Type 1 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 family members play a role in a variety of developmental processes by controlling cell fate decisions. The Notch signaling network is an evolutionarily conserved intercellular signaling pathway which regulates interactions between physically adjacent cells. In *Drosophila*, notch interaction with its cell-bound ligands (delta, serrate) establishes an intercellular signaling pathway that plays a key role in development. Homologues of the notch-ligands have also been identified in human, but precise interactions between these ligands and the human notch homologues remain to be determined. This protein is cleaved in the trans-Golgi network, and presented on the cell surface as a heterodimer. This protein functions as a receptor for membrane bound ligands, and may play a role in vascular, renal and hepatic development. Two transcript variants encoding different isoforms have been found for this gene.

Alternative Names

NOTCH2; hN2; AGS2; HJCYS; neurogenic locus notch homolog protein 2; Notch homolog 2; notch 2; Notch receptor 2

Gene ID

[4853](#)

UniProt ID

[Q04721](#)