

Product Information

MemDX™ Membrane Protein Human NOTCH3 (Notch receptor 3) Full Length

Cat. No.: **MPC3501K**

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

This product is a made-to-order Human NOTCH3 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

NOTCH3

Protein Length

Full length

Protein Class

Receptor

TMD

1

Sequence

MGPGARGRRRRRRPMSPPPPPPVRLPLLLLLAGPGAAAPPCLDGSPCA
NGGRCTQLPSREAACLCPPGWVGERCQLEDPC HSGPCAGRGVCQSSVVAG
TARFSCRCPRGFRGPDCSLPDPCLSSPCA HGARCSVGP DGRFLCSCPPGY
QGRSCRSVD ECRVGEPCR HGGTCLNTPGSFRCQCPAGYTGPLCENPAVP
CAPSPCRNNGGTCRQSGDLTYDCACLPGFEGQNC EVNVDDCPGHRCLNGGT
CVDGVNTYNCQCPPEWTGQFCTEDVDECQLQPNACHNGGTCFNTLGGHSC
VCVNGWTGESCSQNIDDCATAVCFHGATCHDRVASFYCACPMGKTGLLCH
LDDACVSNPCHEDAICDTNPVNGRAICTCPPGFTGGACDQDVDECSIGAN
PCEHLGRCVNTQGSFLCQCGRGYTGPRCETDVNECLSGPCR NQATCLDRI
GQFTCICMAGFTGT YCEVDIDECQSSPCVNGGVCKDRVNGFSCTCPSGFS
GSTCQLDVDECASTPCRNGAKCVDQPDGYECRCAEGFEGTLCDRNVD DCS
PDPCHHGRCVDGIASFSCACAPGYTGTRCESQVDEC RSQPCR HGGKCLDL
VDKYLRCRCPSGTTGVNCEVNIDDCASN PCTFGVCRDGINRYDCVCQPGFT
GPLCNVEINECASSPCGEGGSCVDGENGFRCLCPPGSLPPLCLPPSHPCA
HEPCSHGICYDAPGGFRVC EPGWSGPRCSQSLARDACESQPCRAGGTCS
SDGMGFHCTCPPGVQGRQCELLSPCTPNPCEHGGRCESAPGQLPVCSCPQ
GWQGPRCQQDVDECA GPAPCGPHGICTNLAGSF SCTCHGGYTGPSCDQDI
NDCDPNPCLNGGSCQDGVGSFSCSCLPGFAGPRCARDVDECLSNPCGPGT
CTDHVASFTCTCPPGYGGFHCEQDL PDCSPSSCFNGGTCVDGVNSFSCLC
RPGYTGAHCQHEADPCLSRPCLHGGVCSAAHPGFRCTCLESFTGPQCQTL
VDWCSRQPCQNGGRVCQTGAYCLCPPGWSGRLCDIRSLPCREAAAQIGVR
LEQLCQAGGCQVDEDDSSH YCVCPEGRTGSHCEQEVDPCLAQPCQHGGTCR
GYMGGYMCECLPGYNGDNCEDDVDECASQPCQHGGSCIDL VARYLCSCPP
GTLGVLCEINEDDCGPGPPLDSGPRCLHNGTCVDLVGGFRCTCPPGYTGL

RCEADINECRSGACHAAHTRDCLQDPGGGFRCLCHAGFSGPRCQTVLSPC
ESQPCQHGGQCRPSPGPGGGLTFTCHCAQPFWGPRCERVARSRELQCPV
GVPCQQTTPRGPRCACPPGLSGPSCRSFPGSPPGASNASCAAAPCLHGGSC
RPAPLAPFFRCACAQGWGTGPRCEAPAAAEVSEEPRCPRACQAKRGDQR
CDRECNPSGCGWDGGDCSLSVGDPWRQCEALQCWRLFNNRCDPACSSPA
CLYDNFDCHAGGRERTCNPVYEKYCADHFADGRCDQGCNTEECGWDGLDC
ASEVPALLARGVLVLTVLLPPEELLRSSADFLQRLSAILRTSLRFRDLAH
GQAMVFPYHRPSPGSEPRARRELAPEVIGSVVMLEIDNRLCLQSPENDHC
FPDAQSAADYLGALSAVERLDFPYPLRDVVRGEPEPPEPSVPLLPLLVAG
AVLLLVILVLGVMVARRKREHSTLWFPEGFSLHKDVASGHKGRREPVGQD
ALGMKNMAKGESLMGEVATDWMDETECPKRLKVEEPMGAEEAVDCRQW
TQHHLVAADIRVAPAMALTTPQGDADADGMDVNVVRGPDGFTPLMLASFCG
GALEPMPTEEDEADDTASISDLICQGAQLGARTDRTGETALHLAARYA
RADAARKLLDAGADTNAQDHSGRTPLHTAVTADAQGVFQILIRNRSTDLD
ARMADGSTALILAAARLAVEGMVEELIASHADVNAVDELGKSALHWAAAVN
NVEATLALLKNGANKDMQDSKEETPLFLAAREGSYEAALKLLLDHFANREI
TDHLDRLPRDVAQERLHQDIVRLLDQPSGPRSPPGPHGLGPLLCPPGAFL
PGLKAAQSGSKSRPPGKAGLGPQGPRGRGKKLTACPGPLADSSVTLS
PVDSLDSRPFPGGPPASPGGFPLEGYPYAAATATAVSLAQLGGPGRAGLGR
QPPGGCVLSLGLLNPAVPLDWARLPPAPPGPSFLLPLAPGPQLLNPGT
PVSPQERPPPYLAVPGHGEEYPAAGAHSSPPKARFLRVPSEHPYLTPSPE
SPEHWASPPPSLSDWSESTSPATATGAMATTTGALPAQPLPLSVPSL
AQAQTQLGPQEVTQKRVLA

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

NOTCH3

Full Name

Notch receptor 3

Introduction

This gene encodes the third discovered human homologue of the *Drosophila melanogaster* type I membrane protein notch. In *Drosophila*, notch interaction with its cell-bound ligands (delta, serrate) establishes an intercellular signalling pathway that plays a key role in neural development. Homologues of the notch-ligands have also been identified in human, but precise interactions between these ligands and the human notch homologues remains to be determined. Mutations in NOTCH3 have been identified as the underlying cause of cerebral autosomal dominant arteriopathy with subcortical infarcts and leukoencephalopathy (CADASIL).

Alternative Names

NOTCH3; IMF2; LMNS; CASIL; CADASIL; CADASIL1; neurogenic locus notch homolog protein 3; Notch homolog 3; notch 3; Notch receptor 3

Gene ID

[4854](#)

UniProt ID

[Q9UM47](#)