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Product Information

MemDX™ Membrane Protein Human NOTCH2 (Notch receptor 2) Expressed in CHO for Antibody Discovery, Partial (26-530aa)

Cat. No.: **MPX0321K**
This product is for research use only and is not intended for diagnostic use.

This product is a 80.6 kDa Human NOTCH2 membrane protein expressed in CHO. 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
Partial (26-530aa)

Protein Class
Receptor

Molecular Weight
80.6 kDa

TMD
1

Sequence
LQCRDGYEPCVNEGMCVTYHNGTGY
CKCPEGFLGEYCQHRDPCEKNRCQNGGTCVAQAMLGKATCRCASGFTGED
CQYSTSHPCFVSRPCLNGGTCHMLSRDTYECTCQVGFTGKECQWTDACLS
HPCANGSTCTTVANQFSCKCLTGFTGQKCETDVNECDIPGHCQHGGTCLN
LPGSYQCQCPQGFTGQYCDSLYVPCAPSPCVNGGTCRQTGDFTFECNCLP
GFEGSTCERNIDDCPNHRCQNGGVCVDGVNTYNCRCPPQWTGQFCTEDVD
ECLLQPNACQNGGTCANRNGGYGCVCVNGWSGDDCSENIDDCAFASCTPG
STCIDRVASFSCMCPEGKAGLLCHLDDACISNPCHKGALCDTNPLNGQYI
CTCPQGYKGADCTEDVDECAMANSNPCEHAGKCVNTDGAFHCECLKGYAG
PRCEMDINECHSDPCQNDATCLDKIGGFTCLCMPGFKGVHCELEINECQS
NPCVNNGQCVDKVNRFQCLCPPGFTGPVCQ

Product Description

Expression Systems
CHO

Tag

hIgG1 Fc tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 500 μg/mL in sterile PBS.

Endotoxin

<0.01 EU per 1 μg of the protein by the LAL method.

Purity

>90%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.

Buffer

Lyophilized from a 0.2 μm filtered solution in PBS.

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°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 Drosophilia, 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

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