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Product Information

MemDX™ Membrane Protein Human NOTCH4 (Notch receptor 4) Expressed in Baculovirus/Insect expression system for Antibody Discovery, Partial (24-549aa)

Cat. No.: **MPX0471K**
This product is for research use only and is not intended for diagnostic use.

This product is a 82 kDa Human NOTCH4 membrane protein expressed in Baculovirus/Insect expression system. 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
Partial (24-549aa)

Protein Class
Receptor

Molecular Weight
82 kDa

TMD
1

Sequence
RGLLCGSFPEPCANGGTCLSLSLGQGT
CQCAPGFLGETCQFPDPCQNAQLCQNGGSCQALLPAPLGLPSSPSPLTPS
FLCTCLPGFTGERCQAKLEDPCPPSFCSKRGRCHIQASGRPQCSCMPGWT
GEQCQLRDFCSANPCVNGGVCLATYPQIQCHCPPGFEGHACERDVNECFQ
DPGPCPKGTSCHNTLGSFQCLCPVGQEGPRCELRAGPCPPRGCSNGGTCQ
LMPEKDSTFHLCLCPPGFIGPDCEVNPDNCVSHQCQNGGTCQDGLDTYTC
LCPETWTGWDCSEDVDECETQGPPHCRNGGTCQNSAGSFHCVCVSGWGGT
SCEENLDDCIAATCAPGSTCIDRVGSFSCLCPPGRTGLLCHLEDMCLSQP
CHGDAQCSTNPLTGSTLCLCQPGYSGPTCHQDLDECLMAQQGPSPCEHGG
SCLNTPGSFNCLCPPGYTGSRCEADHNECLSQPCHPGSTCLDLLATFHC

Product Description

Activity
Yes

Expression Systems

Baculovirus/Insect expression system

Tag

hIgG1 Fc tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 400 μg/mL in PBS.

Endotoxin

<0.10 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

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