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Product Information

MemDX™ Membrane Protein Human NOTCH3 (Notch receptor 3) Expressed in Baculovirus/Insect expression system for Antibody Discovery, Partial (40-467aa)

Cat. No.: **MPX0577K**
This product is for research use only and is not intended for diagnostic use.

This product is a 71.4 kDa Human NOTCH3 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
NOTCH3

Protein Length
Partial (40-467aa)

Protein Class
Receptor

Molecular Weight
71.4 kDa

TMD
1

Sequence
APPCLDGSPCA
NGGRCTQLPSREAACLCPPGWVGERCQLEDPCHSGPCAGRGVCQSSVVAG
TARFSCRCPRGFRGPDCSLPDPCLSSPCAHGARCSVGPDGRFLCSCPPGY
QGRSCRSDVDECRVGEPCRHGGTCLNTPGSFRCQCPAGYTGPLCENPAVP
CAPSPCRNGGTCRQSGDLTYDCACLPGFEGQNCEVNVDDCPGHRCLNGGT
CVDGVNTYNCQCPPEWTGQFCTEDVDECQLQPNACHNGGTCFNTLGGHSC
VCVNGWTGESCSQNIDDCATAVCFHGATCHDRVASFYCACPMGKTGLLCH
LDDACVSNPCHEDAICDTNPVNGRAICTCPPGFTGGACDQDVDECSIGAN
PCEHLGRCVNTQGSFLCQCGRGYTGPRCETDVNECLSGPCRNQATCLDRI
GQFTCICMAGFTGTYCE

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 200 μg/mL in sterile PBS.

Endotoxin

<0.10 EU per 1 μg of the protein by the LAL method.

Purity

>90%, by SDS-PAGE under reducing conditions and visualized by silver stain

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

NOTCH3

Full Name

Notch receptor 3

Introduction

This gene encodes the third discovered human homologue of the Drosophilia melanogaster type I membrane protein notch. In Drosophilia, 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

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