

Product Information

MemDX™ Membrane Protein Human NYX (Nyctalopin) for Antibody Discovery

Cat. No.: **MP1059J**

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

This product is a 49.5 kDa Human NYX membrane protein expressed in HEK293T. 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

NYX

Protein Length

Full-length

Protein Class

Secreted Protein, Transmembrane

Molecular Weight

49.5 kDa

Sequence

MKGRGMLVLLLHAVVLGLPSAWAVGACARACPAACACSTVERGCSVRCDRAGLLRVPAELPCEAVSIDLD
RNGLRFLGERAFGTLPRLRLSLRHNNLSFITPGAFKGLPRLAELRLAHNGDLRYLHARTFAALSRLRRL
DLAACRLFSVPERLLAELPALRELAAFDNLFRVPGALRGLANLTHALERGRIEAVASSSLQGLRRLRS
LSLQANRVRAVHAGAFGDCGVLEHLLNDNLLAELPADAFRGLRRLRLNLGGNALDRVARAWFADLAEL
ELLYLDRNSIAFVEEGAFQNLSGLLALHLNGNRLTVLAWVAFQPGFFLGRFLFRNPWCCDCRLEWLRDW
MEGSGRVTDVPCASPGSVAGLDLSQVTFGRSSDGLCVDPEELNLTSSPGPSPEPAATTVSRFSSLLSKL
LAPRVPVEEAANTTGGLANASLSDSLSSRGVGGAGRQPWFLASCLLPVAQHVVFGFLQMD

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

NYX

Full Name

Nyctalopin

Introduction

The product of this gene belongs to the small leucine-rich proteoglycan (SLRP) family of proteins. Defects in this gene are the cause of congenital stationary night blindness type 1 (CSNB1), also called X-linked congenital stationary night blindness (XLCSNB). CSNB1 is a rare inherited retinal disorder characterized by impaired scotopic vision, myopia, hyperopia, nystagmus and reduced visual acuity. The role of other SLRP proteins suggests that mutations in this gene disrupt developing retinal interconnections involving the ON-bipolar cells, leading to the visual losses seen in patients with complete CSNB.

Alternative Names

CLRP; NBM1; CSNB1; CSNB4; CSNB1A

Gene ID

[60506](#)

UniProt ID

[Q9GZU5](#)