

Product Information

MemDX™ Membrane Protein Human CHRNE (Cholinergic receptor nicotinic epsilon subunit) Full Length

Cat. No.: **MPC0474K**

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

This product is a 54.6 kDa Human CHRNE 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

CHRNE

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

54.6 kDa

TMD

4

Sequence

MARAPLGVLLLLGLLGRGVGKNEELRLYHHLFNNDPGSRPVREPEDTVT
ISLKVTLTNLISLNEKEETLTTSVWIGIDWQDYRLNYSKDDFGGIETLRV
PSELVWLPEIVLENNIDGQFGVAYDANVLVYEGGSVTWLPPAIYRSVCAV
EVTYFPFDWQNCSLIFRSQTYNAEEVEFTFAVDNDGKTINKIDIDTEAYT
ENGEWAIDFCPGVIRRHGGATDGPGETDVIYSLIIRRKPLFYVINIIVP
CVLISGLVLLAYFLPAQAGGQKCTVSINVLLAQTVFLFLIAQKIPETSLS
VPLLGRFLIFVMVVATLIVMNCVIVLNVSQRTPTTHAMSPRLRHVLELL
PRLLGSPPPPEAPRAASPPRRASSVGLLLRAEELILKKPRSELVFEGQRH
RQGTWTA AFCQSLGAAAEVRCCVDVNFVAESTRDQEATGEEVSDWVRM
GNALDNICFWAALVLF SVGSSLIFLGAYFNRVPDLPYAPCIQP

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

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**

CHRNE

Full Name

Cholinergic receptor nicotinic epsilon subunit

Introduction

Acetylcholine receptors at mature mammalian neuromuscular junctions are pentameric protein complexes composed of four subunits in the ratio of two alpha subunits to one beta, one epsilon, and one delta subunit. The acetylcholine receptor changes subunit composition shortly after birth when the epsilon subunit replaces the gamma subunit seen in embryonic receptors. Mutations in the epsilon subunit are associated with congenital myasthenic syndrome.

Alternative Names

ACHRE; CMS1D; CMS1E; CMS2A; CMS4A; CMS4B; CMS4C; FCCMS; SCCMS; acetylcholine receptor subunit epsilon; AchR epsilon subunit; acetylcholine receptor, nicotinic, epsilon (muscle); cholinergic receptor, nicotinic epsilon; cholinergic receptor, nicotinic, epsilon (muscle); cholinergic receptor, nicotinic, epsilon polypeptide; CHRNE; Cholinergic receptor nicotinic epsilon subunit

Gene ID

[1145](#)

UniProt ID

[Q04844](#)