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Product Information

MemDX™ Membrane Protein Human CHRNE (Cholinergic receptor nicotinic epsilon subunit) Expressed *in vitro E.coli* expression system, Full Length of Mature Protein

Cat. No.: **MPX2557K**
This product is for research use only and is not intended for diagnostic use.

This product is a Human CHRNE membrane protein expressed *in vitro E.coli* 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
CHRNE

Protein Length
Full Length of Mature Protein

Protein Class
Ion channel, Transport

TMD
4

Sequence
KNEELRLYHHLFNNYDPGSRPVREPEDTVTISLKVTLTNLISLNEKEETLTTSVWIGIDWQDYRLNYSKDDFGGIETLRVPSELVWLP

Product Description

Expression Systems
in vitro E.coli expression system

Tag
10xHis tag at the N-terminus

Protein Format
Soluble

Form
Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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

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

Gene ID

1145

UniProt ID

Q04844

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