

Product Information

MemDX™ Membrane Protein Human CHRNA1 (Cholinergic receptor nicotinic alpha 1 subunit) Full Length

Cat. No.: **MPC0460K**

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

This product is a 54.5 kDa Human CHRNA1 membrane protein expressed in *Komagataella pastoris*. 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

CHRNA1

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

54.5 kDa

TMD

4

Sequence

MEPWPLLLLLFSLCSAGLVLGSEHETRLVAKLFKDYSSVVRPVEDHRQVVE
VTVGLQLIQLINDEVNQIVTTNVRLKQGDMVDLPRPSCVTLGVPFLSHL
QNEQWVDYNLKWNPDDYGGVKKIHIPSEKIWRPDLVLYNNADGDFAIVKF
TKVLLQYTGHITWTPPAIFKSYCEIIVTHFPFDEQNCMKLGTWTYDGSV
VAINPESDQPDLSNFMESGEWVIKESRGWKHSVTYSCCPDTPYLDITYHF
VMQRLPLYFIVNVIIPCLLFSFLTGLVFYLPDTSGEKMTLSISVLLSLTV
FLLVIVELIPSTSSAVPLIGKYMLFTMVFVIASIIITVIVINTHHRSPST
HVMPNWWVRKVFDITIPNIMFFSTMKRPSREKQDKKIFTEDIDISDISGKP
GPPPMGFHSPLIKHPVKSAIEGIKYAETMKSDQESNNAAAEWKYVAMV
MDHILLGVFMLVCIIGTLAVFAGRLLIELNQGG

Product Description

Expression Systems

Komagataella pastoris

Tag

Flag tag and His-tag at N-terminus and C-terminus

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**

CHRNA1

Full Name

Cholinergic receptor nicotinic alpha 1 subunit

Introduction

The muscle acetylcholine receptor consists of 5 subunits of 4 different types: 2 alpha subunits and 1 each of the beta, gamma, and delta subunits. This gene encodes an alpha subunit that plays a role in acetylcholine binding/channel gating. Alternatively spliced transcript variants encoding different isoforms have been identified.

Alternative Names

ACHRA; ACHRD; CHRNA; CMS1A; CMS1B; CMS2A; FCCMS; SCCMS; acetylcholine receptor subunit alpha; acetylcholine receptor, nicotinic, alpha 1 (muscle); cholinergic receptor, nicotinic alpha 1; cholinergic receptor, nicotinic, alpha 1 (muscle); cholinergic receptor, nicotinic, alpha polypeptide 1 (muscle); muscle nicotinic acetylcholine receptor; nicotinic acetylcholine receptor alpha subunit; nicotinic cholinergic receptor alpha 1; CHRNA1; Cholinergic receptor nicotinic alpha 1 subunit

Gene ID

[1134](#)

UniProt ID

[P02708](#)