

Product Information

MemDX™ Membrane Protein Human CHRNA5 (Cholinergic receptor nicotinic alpha 5 subunit) Expressed *in vitro* E.coli expression system, Full Length of Mature Protein

Cat. No.: **MPX2549K**

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

This product is a Human CHRNA5 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

CHRNA5

Protein Length

Full Length of Mature Protein

Protein Class

Ion channel, Transport

TMD

4

Sequence

RCGLAGAAGGAQRGLSEPSSIAKHEDSLLKDLFQDYERWVRPVEHLNDKIKIKFGLAISQLVDVDEKNQLMTTNVWLKQEWIDVKLF

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

CHRNA5

Full Name

Cholinergic receptor nicotinic alpha 5 subunit

Introduction

The protein encoded by this gene is a nicotinic acetylcholine receptor subunit and a member of a superfamily of ligand-gated ion channels that mediate fast signal transmission at synapses. These receptors are thought to be heteropentamers composed of separate but similar subunits. Defects in this gene have been linked to susceptibility to lung cancer type 2 (LNCR2).

Alternative Names

CHRNA5; LNCR2; neuronal acetylcholine receptor subunit alpha-5; Cholinergic receptor, neuronal nicotinic, alpha polypeptide-5; acetylcholine receptor, nicotinic, alpha 5 (neuronal); cholinergic receptor, nicotinic alpha 5; cholinergic receptor, nicotinic, alpha 5 (neuronal); neuronal nicotinic acetylcholine receptor, alpha5 subunit; Cholinergic receptor nicotinic alpha 5 subunit

Gene ID

[1138](#)

UniProt ID

[P30532](#)