9051 Mira Mesa Blvd, #910094
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CHRNA6 Human

Cholinergic Receptor Nicotinic, Alpha 6 Human Recombinant
RCP0436

Product Overview

Name	CHRNA6 Human

Description

Cholinergic Receptor Nicotinic, Alpha 6 Human Recombinant

Accession (Primary)	Q15825

Synonyms

CHNRA6, Neuronal acetylcholine receptor subunit alpha-6, CHRNA6.

Introduction

Cholinergic Receptor Nicotinic, Alpha 6 (CHRNA6) is a part of the nicotinic acetylcholine receptors (nAChRs) family. nAChRs are heteropentameric ligand-gated ion channels generating from the assembly of alpha and beta protein subunits. After binding acetylcholine, the AChRs respond by a major change in conformation which affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane. CHRNA6 receptors have a rather selective localization to the nigrostriatal pathway.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

CHRNA6 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 85.0% as determined by SDS-PAGE.

Amino acid sequence

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGS KGCV GCATEERLFH KLFSHYNQFI RPVENVSDPV TVHFEVAITQ LANVDEVNQI METNLWLRHI WNDYKLRWDP MEYDGIETLR VPADKIWKPD IVLYNNAVGD FQVEGKTKAL LKYNGMITWT PPAIFKSSCP MDITFFPFDH QNCSLKFGSW TYDKAEIDLL IIGSKVDMND FWENSEWEII DASGYKHDIK YNCCEEIYTD ITYSFYIRRL.

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Precautions

CHRNA6 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q15825)