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Datasheet for ABIN1945433

CHRNA3 Protein (AA 25-232) (His tag)

Overview

Quantity:	50 µg
Target:	CHRNA3
Protein Characteristics:	AA 25-232
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CHRNA3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Neuronal Acetylcholine Receptor Subunit β-3/CHRNA3 (C-6His)
Sequence:	IAENEDALLR HLFQGYQKWV RPYLHSNDTI KVFYGLKISQ LVDVDEKNQL MTTNVWLKQE WTDHKLRLWNP DDYGGIHSIK VPSESLWLDP IVLFENADGR FEGSLMTKVI VKSNGTVVWT PPASYKSSCT MDVTFFPFDR QNCSEMKFGSW TYDGTMDVLI LINENVDRKD FFDNGEWEL NAKGMKGNRR DGVSYSPFIT YSFVLRRLLD HHHHHH
Characteristics:	Recombinant Human Neuronal acetylcholine receptor subunit beta-3 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (AA 25-232) of Human CHRNA3 fused with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	CHRNA3
Alternative Name:	CHRNA3 (CHRNA3 Products)
Background:	Neuronal acetylcholine receptor subunit beta-3(CHRNA3) is a cell membrane protein and belongs to the ligand-gated ion channel (TC 1.A.9) family. CHRNA3 seems to be composed of two different type of subunits: alpha and beta. The CHRNA3 are (hetero) pentamers composed of homologous subunits. The subunits that make up the muscle and neuronal forms of CHRNA3 are encoded by separate genes and have different primary structure. There are several subtypes of neuronal CHRNA3 that vary based on which homologous subunits are arranged around the central channel. They are classified as alpha-subunits if like muscle alpha-1, they have a pair of adjacent cysteines as part of the presumed acetylcholine binding site. Subunits lacking these cysteine residues are classified as beta-subunits.
Molecular Weight:	25.3 kDa
UniProt:	Q05901

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH ₂ O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.