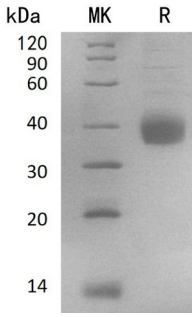
Product Name: Recombinant Human NACHRA5 (C-6His)
Catalog #: PHH1957

Summary

Name	NACHRA5/CHRNA5/Neuronal Acetylcholine Receptor Subunit alpha-5
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Neuronal Acetylcholine Receptor Subunit α-5/NACHRA5 is produced by our Mammalian expression system and the target gene encoding Arg23-Thr254 is expressed with a 6His tag at the C-terminus.
Accession #	P30532
Host	Human Cells
Species	Human
Predicted Molecular Mass	27.6 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image



Background

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Alternative Names	Neuronal Acetylcholine Receptor Subunit Alpha-5; CHRNA5; NACHRA5
Background	Neuronal Acetylcholine Receptor Subunit α-5 (NACHRA5) is a member of the ligand-gated ion channel family. Neuronal AChR is composed of two different type of subunits: α and non-α. When NACHRA5 binds to acetylcholine, the AChR responds by an extensive change in conformation that affects all subunits, leading to the opening of an ion-conducting channel across the plasma membrane. Genetic variations in NACHRA5 have been related to susceptibility to smoking-related behavioral traits and lung cancer, contributing to the smoking quantitative trait locus 3.

Note

For Research Use Only , Not for Diagnostic Use.