

CHRN3 Protein, Human (HEK293, His)

Cat. No.:	HY-P70056
Synonyms:	rHuNeuronal acetylcholine receptor subunit beta-3/CHRN3, His ; Neuronal acetylcholine receptor subunit beta-3
Species:	Human
Source:	HEK293
Accession:	Q05901 (I25-L232)
Gene ID:	1142
Molecular Weight:	30-40 kDa

PROPERTIES

AA Sequence	<p>I A E N E D A L L R H L F Q G Y Q K W V R P V L H S N D T I K V Y F G L K I S Q</p> <p>L V D V D E K N Q L M T T N V W L K Q E W T D H K L R W N P D D Y G G I H S I K</p> <p>V P S E S L W L P D I V L F E N A D G R F E G S L M T K V I V K S N G T V V W T</p> <p>P P A S Y K S S C T M D V T F F P F D R Q N C S M K F G S W T Y D G T M V D L I</p> <p>L I N E N V D R K D F F D N G E W E I L N A K G M K G N R R D G V Y S Y P F I T</p> <p>Y S F V L R R L</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	After binding acetylcholine, CHRN3, an essential component of the acetylcholine receptor (AChR), triggers a profound conformational change that influences all subunits, ultimately resulting in the opening of an ion-conducting channel across the plasma membrane. The neuronal AChR complex is thought to consist of two distinct types of subunits, namely alpha and beta, highlighting the intricate interplay between these subunits in mediating the cellular response to acetylcholine stimulation.
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Caution: Product has not been fully validated for medical applications. For research use only.

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