CHRNA1 Protein, Tetronarce californica (His-SUMO)

Cat. No.:	HY-P72143
Synonyms:	CHRNA1Acetylcholine receptor subunit alpha
Species:	Others
Source:	E. coli
Accession:	P02710 (S25-I234)
Gene ID:	/
Molecular Weight:	Approximately 40.8 kDa

PROPERTIES

AA Sequence	S E H E T R L V A N L L E N Y N K V I R P V E H H T H F V D I T V G L Q L I Q L I S V D E V N Q I V E T N V R L R Q Q W I D V R L R W N P A D Y G G I K K I R L P S D D V W L P D L V L Y N N A D G D F A I V H M T K L L L D Y T G K I M W T P P A I F K S Y C E I I V T H F P F D Q Q N C T M K L G I W T Y D G T K V S I S P E S D R P D L S T F M E S G E W V M K D Y R G W K H W V Y Y T C C P D T P Y L D I T Y H F I M Q R I
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm sterile filtered PBS,6% Trehalose, pH 7.4
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
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	The CHRNA1 protein, also known as the acetylcholine receptor (AChR), undergoes a significant conformational change upon binding to acetylcholine, impacting all subunits and resulting in the activation of an ion-conducting channel across the plasma membrane. It is comprised of a pentamer, consisting of two alpha chains, along with one each of the beta, delta, and gamma chains.

Caution: Product has not been fully validated for medical applications. For research use only.

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