RPC305Hu01 100µg

Recombinant Cholinergic Receptor, Nicotinic, Alpha 7 (CHRNa7)

Organism Species: Homo sapiens (Human)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

10th Edition (Revised in Jan, 2014)

[PROPERTIES]

Residues: Gly23~Ala502

Tags: Two N-terminal Tags, His-tag and GST-tag

Accession: P36544

Host: *E. coli*

Subcellular Location: Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane.

Purity: >90%

Endotoxin Level: <1.0EU per 1µg

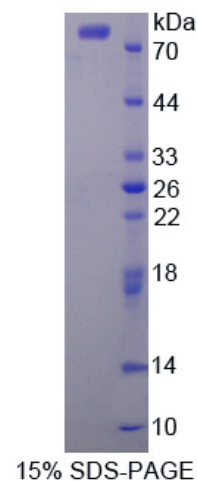(determined by the LAL method).

Formulation: Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.

Predicted isoelectric point: 5.9

Predicted Molecular Mass: 84.2kDa

Applications: SDS-PAGE; WB; ELISA; IP.

(May be suitable for use in other assays to be determined by the end user.)

kDa
70
44
33
26
22
18
14
10

15% SDS-PAGE

[USAGE]

Reconstitute in sterile PBS, pH7.2-pH7.4.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCES]

The sequence of the target protein is listed below.

GEFQRKLY KELVKNYNPL ERPVANDSQP LTVYFSLSLL QIMDVDEKNQ VLTTNIWLQM
SWTDHYLQWN VSEYPGVKTV RFPDGQIWKP DILLYNSADE RFDATFHTNV LVNSSGHCQY
LPPGIFKSSC YIDVRWFPFD VQHCKLKFGS WSYGGWSLDL QMQEADISGY IPNGEWDLVG
IPGKRSERFY ECCKEPYPDV TFTVTMRRRT LYYGLNLLIP CVLISALALL VFLLPADSGE
KISLGITVLL SLTVFMLLVA EIMPATSDSV PLIAQYFAST MIIVGLSVVV TVIVLQYHHH
DPDGGKMPKW TRVILLNWCA WFLRMKRPGE DKVRPACQHK QRRCSLASVE
MSAVAPPPAS NGNLLYIGFR GLDGVHCVPT PDSGVVCGRM ACSPTHDEHL LHGGQPPEGD
PDLAKILEEV RYIANRFRCQ DESEAVCSEW KFAACVVDRL CLMAFSVFTI ICTIGILMSA
PNFVEAVSKD FA