

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

11th Edition (Revised in May, 2016)

[PROPERTIES]

Source: Prokaryotic expression.

Host: *E. coli*

Residues: Gly23~Ala502

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

Tissue Specificity: Salivary Gland, Colon, Kidney, Seminal Vesicle, Ovary.

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

Purity: >90%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.

Original Concentration: 200ug/mL

Applications: SDS-PAGE; WB; ELISA; IP; CoIP; Reporter Assays; Purification;
Amine Reactive Labeling.

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

Predicted isoelectric point: 5.9

Predicted Molecular Mass: 84.2kDa

Accurate Molecular Mass: 84kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[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. 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. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCE]

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

[IDENTIFICATION]

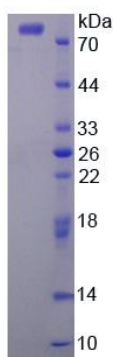


Figure 1. SDS-PAGE