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**YBC305Hu01 100 $\mu$ g**

**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:** 200 $\mu$ g/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.

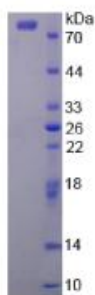
**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

## [ SEQUENCE ]

GEFQRKLY KELVKNYNPL ERPVANDSQ  
LTVYFSLSL QIMDVDEKNQ VLTTNIWLQM SWTDHYLQWN VSEYPGVKTV  
RFPDGGIWKP DILLYNSADE RFDATFHTNV LVNSSGHCQY LPPGIFKSSC  
YIDVRWFPFD VQHCKLKFGS WSYGGWSDL QMQEADISGY IPNGEWDLVG  
IPGKRSEFY ECCKEYPYDV TFTVTMRRRT LYYGLNLLIP CVLISALALL  
VFLLPADSGE KISLGITVLL SLTVFMLLVA EIMPATSDSV PLIAQYFAST  
MIIVGLSVVV TVIVLQYHHH DPDGGKMPKW TRVILLNWCA WFLRMKRPGE  
DKVRPACQHK QRRCSLASVE MSVAPPAS NGNLLYIGFR GLDGVHCVPT  
PDSGVVCGRM ACSPTHDEHL LHGGQPPEGD PDLAKILEEV RYIANRFRQC  
DESEAVCSEW KFAACVVDRL CLMAFSVFTI ICTIGILMSA PNFVEAVSKD

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## [ IDENTIFICATION ]





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**Figure 1. SDS-PAGE**