Recombinant Human CHRNB4 Protein, His-tagged

Cat. No. CHRNB4-782H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CHRNB4 Protein (Arg22-Thr236) with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Arg22-Thr236
Description	This gene is found within a conserved gene cluster and encodes one of the beta subunits of the nicotinic acetylcholine receptor (nAChRs) superfamily which form ligand-gated ion channels with a central pore that forms a cation channel. Neuronal nAChRs are pentameric structures that can be either homomeric or heteromeric, with heteromeric structures containing both alpha and beta subunits. Each subunit contains an extracellular amino terminus and four transmembrane domains. Nicotine is one of the agonists that binds to the receptor. Variants in this gene have been associated with nicotine dependence and lung cancer. Alternative splicing results in multiple transcript variants encoding different isoforms.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28.8 kDa; Accurate Molecular Mass: 32 kDa
Purity	> 90%

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

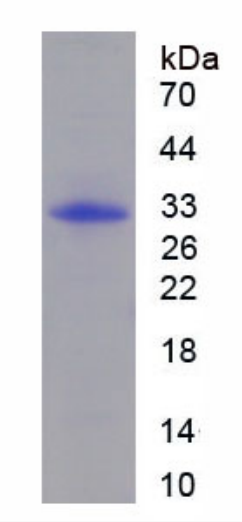
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in ddH2O to a concentration of 0.1-0.5 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	CHRNB4 cholinergic receptor, nicotinic, beta 4 (neuronal) [Homo sapiens (human)]
Official Symbol	CHRNB4
Synonyms	CHRNB4; cholinergic receptor, nicotinic, beta 4 (neuronal); cholinergic receptor, nicotinic, beta polypeptide 4; neuronal acetylcholine receptor subunit beta-4; acetylcholine receptor; nicotinic; beta 4 (neuronal); neuronal nicotinic receptor beta 4 subunit; acetylcholine receptor, nicotinic, beta 4 (neuronal);
Gene ID	1143
mRNA Refseq	NM_000750
Protein Refseq	NP_000741

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

MIM	118509
UniProt ID	P30926



Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA