

Recombinant Human CHRNB3 Protein, Fc-tagged

Cat. No. CHRNB3-672H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CHRNB3 (NP_000740.1) (Met1-Leu232) was expressed with the Fc region of human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-232 a.a.
Predicted N Terminal	Ile 25
Form	Lyophilized from sterile PBS, pH 7.4, 5% ~ 8% trehalose and mannitol.
Molecular Mass	The recombinant human CHRNB3 consists 446 amino acids and predicts a molecular mass of 51 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>85 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

 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

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [CHRNA3 cholinergic receptor, nicotinic, beta 3 \(neuronal\) \[Homo sapiens \]](#)

Official Symbol [CHRNA3](#)

Synonyms CHRNA3; cholinergic receptor, nicotinic, beta 3 (neuronal); cholinergic receptor, nicotinic, beta polypeptide 3; neuronal acetylcholine receptor subunit beta-3; acetylcholine receptor; nicotinic; beta 3 (neuronal); acetylcholine receptor, nicotinic, beta 3 (neuronal); acetylcholine receptor, neuronal nicotinic, beta-3 subunit;

Gene ID [1142](#)

mRNA Refseq [NM_000749](#)

Protein Refseq [NP_000740](#)

MIM [118508](#)

UniProt ID [Q05901](#)

Chromosome Location 8p11.21

Pathway

Acetylcholine Binding And Downstream Events, organism-specific biosystem;
Activation of Nicotinic Acetylcholine Receptors, organism-specific biosystem; Highly calcium permeable nicotinic acetylcholine receptors, organism-specific biosystem;
Highly calcium permeable postsynaptic nicotinic acetylcholine receptors, organism-

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specific biosystem; Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive ligand-receptor interaction, conserved biosystem; Neuronal System, organism-specific biosystem;

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