

Product datasheet for **TP727166**

CHRNB3 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Neuronal Acetylcholine Receptor Subunit β -3/CHRNB3 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Ile25-Leu232
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Note:	Recombinant Human Neuronal acetylcholine receptor subunit beta-3 is produced by our Mammalian expression system and the target gene encoding Ile25-Leu232 is expressed with a 6His tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	1142
UniProt ID:	Q05901
Synonyms:	Neuronal acetylcholine receptor subunit beta-3
Summary:	Neuronal acetylcholine receptor subunit beta-3(CHRNB3) is a cell membrane protein and belongs to the ligand-gated ion channel (TC 1.A.9) family. CHRNB3 seems to be composed of two different type of subunits: alpha and beta. The CHRNB3 are (hetero) pentamers composed of homologous subunits. The subunits that make up the muscle and neuronal forms of CHRNB3 are encoded by separate genes and have different primary structure. There are several subtypes of neuronal CHRNB3 that vary based on which homologous subunits are arranged around the central channel. They are classified as alpha-subunits if like muscle alpha-1, they have a pair of adjacent cysteines as part of the presumed acetylcholine binding site. Subunits lacking these cysteine residues are classified as beta-subunits.
Protein Families:	Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane



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