Recombinant Protein Technical Manual

Recombinant Human CHRNB3 Protein (His Tag)

RPES0318

Product Data:

Product SKU: RPES0318

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q05901

Protein Information:

Molecular Mass: 25.3 kDa

AP Molecular Mass: 38-40 kDa

Tag: C-6His

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Neuronal acetylcholine receptor subunit beta-3

Immunogen Information:

Sequence: Ile25-Leu232

Background:

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, 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.