



Recombinant Protein Technical Manual

Recombinant Human CGA&CGB3 Heterodimer Protein (His & Flag Tag) RPES2451

Product Data:

Product SKU: RPES2451

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P01215&P0DN86

Protein Information:

Molecular Mass: 11.6&16.6 kDa

AP Molecular Mass: 22&30-35 kDa

Tag: C-Flag,C-His

Bio-activity:

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

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

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.

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

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS,pH 7.4.

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

Application:

Synonyms: Beta-Nerve Growth Factor; Beta-NGF; NGF; NGFB

Immunogen Information:

Sequence: Ala25-Ser116&Ser21-Gln165

Background:

Glycoprotein hormones alpha chain, also known as CGA, belongs to the glycoprotein hormones subunit alpha family. The subunit of CGA is a heterodimer consists of a common alpha chain and a unique beta chain which confers biological specificity to thyrotropin, lutropin, follitropin and gonadotropin. It has positive regulation of cell migration, cell proliferation and transcription from RNA polymerase II promoter and participates in the peptide hormone processing and signal transduction.