



Recombinant Protein Technical Manual

Recombinant Human CGA/HCG Protein

RPES2655

Product Data:

Product SKU: RPES2655

Size: 10µg

Species: Human

Expression host: HEK293 Cells

Uniprot: NP_000726.1

Protein Information:

Molecular Mass: 10.2 kDa

AP Molecular Mass:

Tag:

Bio-activity:

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

Endotoxin: < 1.0 EU per µg of the protein 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°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 sterile PBS, pH 7.4

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

Application:

Synonyms: CG-ALPHA;FSH alpha;FSHA;GPHa;GPHA1;HCG;LHA;TSHA

Immunogen Information:

Sequence: Met 1-Ser116

Background:

The four human glycoprotein hormones chorionic gonadotropin (CG), luteinizing hormone (LH), follicle stimulating hormone (FSH), and thyroid stimulating hormone (TSH) are dimers consisting of alpha and beta subunits that are associated noncovalently. The alpha subunits of these hormones are identical, however, their beta chains are unique and confer biological specificity. The protein encoded by this gene is the alpha subunit and belongs to the glycoprotein hormones alpha chain family. Two transcript variants encoding different isoforms have been found for this gene.