



Recombinant Protein Technical Manual

Recombinant Mouse GH1/Growth Hormone Protein

RPES0993

Product Data:

Product SKU: RPES0993

Size: 10µg

Species: Mouse

Expression host: E. coli

Uniprot: P06880

Protein Information:

Molecular Mass: 21.9 kDa

AP Molecular Mass: 20 kDa

Tag:

Bio-activity:

Purity: > 95 % as determined by 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°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 50mM TrisHCl, 500mM NaCl, pH 8.0.

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

Application:

Synonyms: Somatotropin; Growth Hormone; Gh1; Gh

Immunogen Information:

Sequence: Phe27-Phe216

Background:

Somatotropin(GH) is a member of the somatotropin/prolactin family of hormones which play an important role in growth control. Its major role in stimulating body growth is to stimulate the liver and other tissues to secrete IGF. GH stimulates both the differentiation and proliferation of myoblasts. It also stimulates amino acid uptake and protein synthesis in muscle and other tissues.