

Recombinant Human Insulin-like Growth Factor-1 A70T

Information

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, pH6.0.
e recommend that this vial be briefly centrifuged prior to opening to bring the neutron to the bottom. Reconstitute in sterile distilled water or aqueous buffer training 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions buld be apportioned into working aliquots and stored at \leq -20°C. Further utions should be made in appropriate buffered solutions.
st in process.
l pack.
ntrifuge the vial prior to opening.
r Research Use Only! Not to be used in humans.
s r

Components and Storage

Components	100µg	500µg	
Recombinant Human Insulin-like Growth Factor-1 A70T	100µg	500µg	

Use a manual defrost freezer and avoid repeated freeze-thaw cycles

- 12 months from date of receipt, -20 to -70 °C as supplied
- 1 month, 2 to 8 °C under sterile conditions after reconstitution
- 3 months, -20 to -70 °C under sterile conditions after reconstitution

Quality Control	19 BIO
Purity	> 95% by SDS-PAGE analyses.
Endotoxin	Less than 0.1 EU/ μ g of rHuIGF-1 A70T as determined by LAL method.

Description

IGF-1 belonged to the insulin gene family, is a mitogenic polypeptide growth factor that stimulate the proliferation and survival of various cell types including muscle, bone, and cartilage tissue in vitro. It is produced primarily by the liver as an endocrine hormone as well as in target tissues in a paracrine/autocrine fashion. The production of IGF-1 is stimulated by growth hormone (GH) and can be retarded by undernutrition, growth hormone insensitivity, lack of growth hormone receptors, or failures of the downstream signaling pathway post GH receptor including SHP2 and STAT5B.

Reference

