9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

# 32-6399: IGF1 Human, A70T

**Alternative Name :** Somatomedin C, IGF-I, IGFI, IGF1, IGF-IA, Mechano growth factor, MGF.

## Description

Source: Escherichia Coli.
Sterile Filtered White lyophilized (freeze-dried) powder.
The somatomedins, or insulin-like growth factors (IGFs), comprise a family of peptides that takes part in mammalian growth and development. IGF1 mediates various growth-promoting effects of growth hormone (GH; MIM 139250). Early studies showed that growth hormone did not directly stimulate the incorporation of sulfate into cartilage, but rather acted through a serum factor, termed 'sulfation factor,' which later became known as 'somatomedin' (Daughaday et al., 1972). 3 main somatomedins have been characterized: somatomedin C (IGF1), somatomedin A (IGF2; MIM 147470), and somatomedin B (MIM 193190) (Rotwein, 1986; Rosenfeld, 2003).
IGF1 A70T Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 70 amino acids and having a molecular mass of Approximately 7.7kDa. The IGF1 A70T is purified by proprietary chromatographic techniques.

## Product Info

| | |
|---|---|
| **Amount :** | 50 µg / 100 µg |
| **Purification :** | Greater than 95.0% as determined by SDS-PAGE. |
| **Content :** | IGF1 A70T Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB and 150 mM NaCl, pH 6.0.<br>It is recommended to reconstitute the lyophilized IGF1 A70T in sterile 18M Omega -cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. |
| **Storage condition :** | Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles. |
| **Amino Acid :** | GPETLCGAEL VDALQFVCGD RGFYFNKPTG YGSSSRRAPQ TGIVDECCFR SCDLRRLEMY CAPLKPAKST. |

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***