

**IGF-1, Human, Recombinant, E.coli**

**Cat.NO.: TP02580**

3th Edition

**Synonyms:**Insulin-like growth factor-1, IGF-IA, Somatomedin-C, MGF, IBP1

**Description:**The Insulin-like growth factor-1(IGF-1) is mitogenic polypeptide growth factors that stimulate the proliferation and survival of various cell types including muscle, bone, and cartilage tissue in vitro. IGF-1 is predominantly produced by the liver, although a variety of tissues produce the IGFs at distinctive times. The IGF-1 belongs to the insulin gene family, which also contains insulin and relaxin.

**Form:**Liquid. In phosphate-buffered Saline(pH 7.4) containing 10% glycerol

**Molecular Weight:**7.7kDa (71aa), confirmed by MALDI-TOF

**Sequences:**

MGPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSSRRAPQTGIVDECCFRSCDLRRLEMYCAPLKPAKSA

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.