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32-18040: Recombinant Human IGF-I (67AA) Protein

Uniprot ID : P05019

Alternative Name : Insulin-Like Growth Factor I; IGF-I; Mechano Growth Factor; MGF; Somatomedin-C; IGF1; IBP1

Description

Molecular weight: 7.3 KDa
Description: Recombinant Human Insulin-like Growth Factor I(4-70) is produced by our E.coli expression system and the target gene encoding Thr52-Ala118 is expressed.
Insulin-like growth factor I (IGF1) belongs to the family of insulin-like growth factors that are structurally homologous to proinsulin. Mature IGFs are generated by proteolytic processing of inactive precursor protein containing N-terminal and C-terminal propeptide regions. Mature human IGF-I consisting of 70 amino acids with 94% identity with mouse IGF1 and exhibits cross-species activity. IGF1 binds IGF-1R, IGF-2R, and the insulin receptor and plays a key role in cell cycle progression, cell proliferation and tumor progression. IGF1 expression is regulated by growth hormone.

Product Info

Amount :	50 µg
Content :	Lyophilized from a 0.2 ?m filtered solution of 20mM NaAc-HAc, pH 4.5
Storage condition :	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

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