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

32-7025: Recombinant Human Insulin-Like Growth Factor I/IGF-I/IGF1 (4-70)

Gene : IGF1
Gene ID : 3479
Uniprot ID : P05019

Description

Source: E.coli.
MW :7.3kD.
Recombinant Human Insulin-like Growth Factor I 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 :	10 µg / 50 µg
Content :	Lyophilized from a 0.2 µm filtered solution of 300mM NaAc, pH 6.5.
Storage condition :	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid :	TLCGAELVDALQFVCGDRGFYFNKPTGYGSSSRRAPQTGIVDECCFRSCDLRRLEMYCAPLKPAKSA

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 Ã‚µg/ml. Dissolve the lyophilized protein in 500mM Acetic Acid. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Endotoxin : Less than 0.05 ng/Ã‚µg (0.5 IEU/Ã‚µg) as determined by LAL test.