

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

32-20190: Animal-Free Recombinant Human IGF-II(Discontinued)

Alternative Name: Insulin-like Growth Factor-II, Somatamedin A

Description

Source:E.coliThe IGFs are mitogenic, polypeptide growth factors that stimulate the proliferation and survival of various cell types, including muscle, bone, and cartilage tissue in vitro. IGFs are predominantly produced by the liver, altho $\hat{A}\mu gh$ a variety of tissues produce the IGFs at distinctive times. IGFs belong to the Insulin gene family, which also contains insulin and relaxin. IGFs are similar to insulin by structure and function, but have a much higher growth-promoting activity than insulin. IGFs are similar to insulin by placenta lactogen, while IGFs expression is regulated by growth hormone. IGFs and IGFs and IGFs are generated by proteolytic processing of inactive precursor proteins, which contain N-terminal and C-terminal propeptide regions. Recombinant Human IGFs and IGFs are globular proteins containing 70 and 67 amino acids, respectively, and 3 intra-molecular disulfide bonds. The calculated molecular weight of Recombinant Human IGFs II is 7.5 kDa.

Product Info

Amount: $10 \mu g / 50 \mu g$

Purification : Purity: >= 98% by SDS-PAGE gel and HPLC analyses. **Content :** This recombinant protein is supplied in lyophilized form.

Amino Acid: AYRPSETLCG GELVDTLQFV CGDRGFYFSR PASRVSRRSR GIVEECCFRS CDLALLETYC ATPAKSE

Application Note

Determined by its ability to stimulate the proliferation of mouse FDC-P1 cells. The expected $\hat{A} = \hat{A} = 2.0 \text{ ng/ml}$, corresponding to a specific activity of $>= 5 \times 10^5 \text{units/mg}$.