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Datasheet

IGF1 (Human) Recombinant Protein

Catalog Number: P3452

Regulation Status: For research use only (RUO)

Product Description: Human IGF1 (NP_000609, 49 a.a. - 118 a.a.) partial recombinant protein expressed in *Escherichia coli*.

Sequence:
MGPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSS
RRAPQTGIVDECCFRSCDLRRLEMYCAPLKPAKSA

Host: Escherichia coli

Theoretical MW (kDa): 7.7

Applications: Func, SDS-PAGE
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Form: Liquid

Preparation Method: *Escherichia coli* expression system

Concentration: 1 mg/mL

Purity: > 95% by SDS-PAGE

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

Activity: The ED_{50} for this effect is < 5 ng/mL. Measured in a cell proliferation assay using MCF7 cell.

Storage Buffer: In PBS, pH 7.4.

Storage Instruction: Store at 2°C to 8°C for 1 week.
For long term storage, aliquot and store at -20°C to -80°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 3479

Gene Symbol: IGF1

Gene Alias: IGFI

Gene Summary: The protein encoded by this gene is similar to insulin in function and structure and is a member of a family of proteins involved in mediating growth and development. The encoded protein is processed from a precursor, bound by a specific receptor, and secreted. Defects in this gene are a cause of insulin-like growth factor I deficiency. Several transcript variants encoding different isoforms have been found for this gene]