

Recombinant human IGF-2 protein

Catalog Number: ATGP0836

PRODUCT INFORMATION

Expression system

E.coli

Domain

25-91aa

UniProt No.

P01344

NCBI Accession No.

NP_000603

Alternative Names

Insulin-like growth factor 2, Somatomedin-A, INSIGF, Preptin, Insulin-like growth factor II, IGF-II, T3M-11-derived growth factor

PRODUCT SPECIFICATION

Molecular Weight

7.6 kDa (68aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. phosphate-buffered saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

Non-Tagged

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

IGF2, as known as insulin-like growth factor 2, is mitogenic polypeptide growth factors that stimulate the proliferation and survival of various cell types including muscle, bone, and cartilage tissue in vitro. This protein is a fetal growth factor, influenced by placental lactogen and abundantly expressed by placental trophoblasts. Recombinant human IGF2 was expressed in E. coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.

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Amino acid Sequence

MAYRPSETLC GGELVDTLQF VCGDRGFYFS RPASRVSRRS RGIVEECCFR SCDLALLETY CATPAKSE

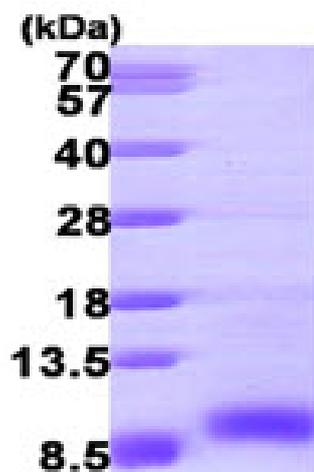
General References

Bell G.I., et al. (1984), Nature 310: 775-777

Pedersen S.K., et al. (2002). Biochem. J. 363: 37-44.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)