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P90050Mu01
Insulin Like Growth Factor 1 (IGF1)
Organism: Mus musculus (Mouse)
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES

1th Edition (Revised in February, 2012)

[DESCRIPTION]

Protein Names: Insulin Like Growth Factor 1
Gene Names: IGF1
Size: 100μg
Source: Recombinant
Expression Host: *E.coli*
Subcellular Location: Secreted

[PROPERTIES]

Residues: Gly33~Ala102 (Accession # Q8CAR0), with a N-terminal His-tag.
Grade & Purity: >97%, 9.2 kDa as determined by SDS-PAGE reducing conditions.
Form & Buffer: Supplied as lyophilized form in PBS, pH 7.4.
Endotoxin Level: <1.0 EU per 1μg(determined by the LAL method).
Applications: SDS-PAGE; WB; ELISA; IP.
(May be suitable for use in other assays to be determined by the end user.)
Predicted Molecular Mass: 9.2 kDa

[PREPARATION]

Reconstitute in PBS.

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[STORAGE AND STABILITY]

Storage: Store at 4ºC for short term storage (1-2 weeks). Aliquot and store at -20ºC or -80ºC for long term storage. Avoid repeated freeze/thaw cycles.

Valid period: 12 months stored at -80ºC.

[BACKGROUND]

The target protein is fused with a His-tag and its sequence is listed below. The first Met is an initiator amino acid. Moreover, Gly and Ser are added to improve the flexibility of N-terminus at both ends of the His-tag, which will increase the chelating ability of the tag to Ni-Sepharose during purification.

MGHHHHHHSGSEF-GPETLCGA ELVDALQFVC GPRGFYFNKP TGYGSSIRRA PQTGIVDECC FRSCDLRRLE MYCAPLKPTK AA

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