Recombinant IGF-II (Insulin-like growth factor-II), **fibmq**t**Mouse, AF

Mouse, AF

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Synonym/Alternative

name(s):

AL033362, Igf-2, M6pr, Mpr, Peg, Peg2

Activity:

Measure by its ability to induce MCF-7 cells proliferation.

The ED50 for this effect is <6 ng/mL.

The specific activity of recombinant mouse IGF-II is $> 1.5 \times 105 \text{ IU/mg}$.

Protein Description:

Insulin-like growth factor 2 (IGF-2) is one of three protein hormones that share structural similarity to insulin. The major role of IGF-2 is as a growth promoting hormone during gestation. It is believed to be a major fetal growth factor in contrast to Insulin-like growth factor 1, which is a major growth factor in adults.

Protein Accession: P09535.1

Gene ID: 16002

Expression Sequence:

AYGPGETLCGGELVDTLQFVCSDRGFYFSRPSSRANRRSRGIVEECCFRSCDLALLETYCATPAKSE with polyhistidine tag at the N-terminus.

Fusion tag: His-tag?at?the?N-terminus

Species: Mouse **Reactivity:** Mouse

Expression Host: Escherichia coli

Source: E. coli Purity/method:

>98% as determined by SDS-PAGE. Ni-NTA chromatography

Endotoxin level:

<0.1 EU per 1 µg of the protein by the LAL method.

Calculated Molecular Weight: 8.20 kDa

Formulation:

The protein was lyophilized from a solution containing 1X PBS, pH 8.0.

Reconstitution:

It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping: Blue Ice

Stability and Storage:

Lyophilized protein should be stored at -20°C for 1 year.

Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or

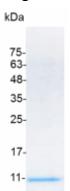
stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

Category: Cytokines

Application: Cell culture, Elisa

Image:



SDS- PAGE analysis of recombinant mouse IGF-II