

## 32-13648: IGF2 Mouse

**Format :** Lyophilized from a sterile (0.2 $\mu$ ) filtered solution containing 0.1 % trifluoroacetic acid (TFA).

**Alternative Name :** Somatomedin-A, IGF2, INSIGF, pp9974, C11orf43, FLJ22066, FLJ44734

### Description

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Biological Activity: The ED50 as determined by FDC-P1 cell proliferation is = 50 ng/mL, corresponding to a specific activity of =  $2.0 \times 10^4$  units/mg.

Insulin-like growth factor II (IGF-II) is an important foetal growth hormone. IGF-II is made by theca cells during gestation. IGF-II binds the insulin IGF-II receptor (IGF2R) which results in IGF-II degradation. IGF-II also engages the IGF-I receptor (IGF1R) to arbitrate embryonic growth.

IGF2 Mouse Recombinant produced in E. Coli is a single, non-glycosylated, monomeric polypeptide chain containing 67 amino acids and having a total molecular mass of 7.4 kDa. The IGF2 is purified by proprietary chromatographic techniques.

### Product Info

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

**Purification :** Greater than 95.0% as determined by SDS-PAGE.

**Storage condition :** Lyophilized IGF2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IGF2 Human should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid :** AYGPGETLCG GELVDTLQFV CSDRGFYFSR PSSRANRRSR GIVEECCFRS CDLALLETYC ATPAKSE

### Application Note

It is recommended to reconstitute the lyophilized IGF2 in sterile water at a concentration of 0.1 mg/ml, which can then be further diluted to other aqueous solutions.