

# IGF2 Human

*IGF-2 Human Recombinant*  
GRF0173

## Product Overview

Name IGF2 Human

### Description

IGF-2 Human Recombinant

Accession (Primary) [P01344](#)

### Synonyms

Somatomedin-A, IGF2, INSIGF, pp9974, C11orf43, FLJ22066, FLJ44734

### Introduction

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 sink IGF-II receptor (IGF2R) which results in IGF-II degradation. IGF-II also engages the IGF-I receptor (IGF1R) to arbitrate embryonic growth.

### Source

Escherichia Coli.

### Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

### Formulation

Lyophilized from a sterile (0.2 µ) filtered solution containing 0.1 % trifluoroacetic acid (TFA).

### Stability

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.

### Purity

Greater than 95.0% as determined by SDS-PAGE.

### Amino acid sequence

AYGPGETLCG GELVDTLQFV CSDRGFYFSR PSSRANRRSR GIVEECCFRS CDLALLETYC ATPAKSE

### Biological Activity

The ED 50 as determined by FDC-P1 cell proliferation is ? 50 ng/mL, corresponding to a specific activity of ? 2.0 x 10<sup>4</sup> units/mg.

### Solubility

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.

#### **Precautions**

IGF2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

**Target Information: ( [P01344](#) )**

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