9051 Mira Mesa Blvd, #910094
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IGF2 Mouse

Insulin Like Growth Factor-2 Mouse Recombinant
GRF0174

Product Overview

Name	IGF2 Mouse
Description	
Insulin Like Growth Factor-2 Mouse Recombinant	
Accession (Primary)	P09535
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 10^4 units/mg.	
Solubility	

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

Target Information: (P09535)