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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	
IGF-2 is a member of the INS family of polypeptide growth factors that is involved in development and growth. It is an imprinted gene and is expressed only from the paternally inherited allele. It is a candidate gene for eating disorders. There is a read-through, INS-IGF2, which aligns to this gene at the 3' region and to the upstream INS gene at the 5' region. Two alternatively spliced transcript variants encoding the same protein have been found for this gene.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The protein was lyophilized from a sterile filtered solution containing 0.1 % trifluoroacetic acid (TFA).	
Stability	
Lyophilized IGF-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IGFII 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	
AYRPSETLCG GELVDTLQFV CGDRGFYFSR PASRVSRRSR GIVEECCFRS CDLALLETYC ATPAKSE.	
Biological Activity	
The activity is determined by the dose dependent proliferation of FDC-P1 cells and is typically 8.39ng/mL	

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corresponding to a specific activity of 1.2x10 5 units/mg..

Solubility

It is recommended to reconstitute the lyophilized IGF2 in sterile 18MΩ-cm H2O at a concentration of 100 µg/ml, which can then be further diluted to other aqueous solutions.

References

Title: Sub-Cellular Localisation Studies May Spuriously Detect the Yes-Associated Protein, YAP Publications: Nucleoli Leading to Potentially Invalid Conclusions of Its Function. PLoS ONE 10.2 (2015): e0114813. Link: IGF2 prospec publication

Precautions

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

Target Information: (P01344)