


Mouse IGF-II Protein, His tag (Animal-Free)

Cat #: PRP1191

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Mouse IGF-II Protein Protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1191	LOT	Lot Number: Refer to product label
	Purity: > 98 % as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: E.coli
	Shipping: The product is shipped at ambient temperature.		

Background: Mouse Insulin Like Growth Factors 2 (IGF-II) is a member of the Insulin-like Growth Factors. IGF-II is mainly expressed from early embryonic somatic tissues, liver, and epithelial cells lining the surface of the brain. IGF-II is mediating the embryonic development and placental growth, while also promoting tumor growth. IGF-II affects regulation of cell proliferation, growth, migration, differentiation and survival via binding to IGF-I receptor.

Sequence: Amino acid sequence derived from Mouse IGF-II Protein (Ala25-Glu91) (P09535) was expressed with 6×His tag at the N-terminus.

Protein length: The recombinant Mouse IGF-II Protein consists of 67 amino acids and predicts a molecular mass of 8.20 kDa.

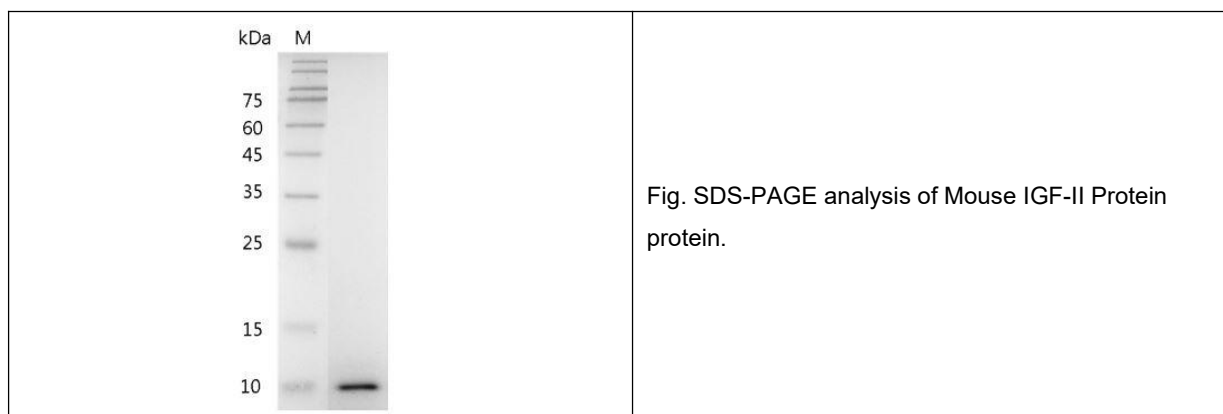
Biological Activity: Measured by its ability to induce MCF-7 cells proliferation. The ED₅₀ for this effect is <6 ng/mL.

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

Formulation: Lyophilized from PBS, pH 8.0.

Storage Instructions: Lyophilized protein product should be stored desiccated below -18°C. Upon reconstitution, the protein 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 (5% HSA, 10%FBS or 0.1%BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized recombinant protein to a concentration of 0.1-1 mg/mL using the buffer we provided, and keep at room temperature for at least 20 min to fully dissolve. Please avoid vortex vigorously.



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