

## IGFBP-2 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P74846
Synonyms:	IBP-2; Insulin-like growth factor binding protein 2; IGFBP2; IGF-BP53
Species:	Mouse
Source:	HEK293
Accession:	P47877 (E35-Q305)
Gene ID:	16008
Molecular Weight:	Approximately 32-40 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized a 0.2 µm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	IGFBP-2 protein acts as an inhibitor, specifically targeting IGF-mediated growth and developmental rates. As a member of the IGF-binding protein family, IGFBP-2 prolongs the half-life of IGFs and exhibits dual functionality, either inhibiting or stimulating the growth-promoting effects of IGFs in cell culture. This modulation occurs through the alteration of the interaction between IGFs and their cell surface receptors. Notably, IGFBP-2 demonstrates a higher binding affinity for IGF2 compared to IGF1, underscoring its role in finely regulating the intricate balance of IGF signaling pathways.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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