

Screening Libraries



Proteins

Product Data Sheet



IGFBP-2 Protein, Mouse (HEK293, His)

Cat. No.: HY-P74846

IBP-2; Insulin-like growth factor binding protein 2; IGFBP2; IGF-BP53 Synonyms:

Species: HEK293 Source:

Accession: P47877 (E35-Q305)

Gene ID: 16008

Molecular Weight: Approximately 32-40 kDa

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| Appearance | Lyophilized powder. |
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| 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. |
| Reconsititution | It is not recommended to reconstitute to a concentration less than 100 $\mu g/mL$ in ddH ₂ 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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