

## IGFBP-5 Protein, Mouse (HEK293, His)

<b>Cat. No.:</b>	HY-P70408
<b>Synonyms:</b>	rMuInsulin-like growth factor-binding protein 5/IGFBP5, His; BP-5; IGFBP-5; IGF-binding protein 5; Insulin-like growth factor-binding protein 5;
<b>Species:</b>	Mouse
<b>Source:</b>	HEK293
<b>Accession:</b>	Q07079 (L20-E271)
<b>Gene ID:</b>	16011
<b>Molecular Weight:</b>	Approximately 38.0 kDa

### PROPERTIES

<b>AA Sequence</b>	<pre> L G S F V H C E P C   D E K A L S M C P P   S P L G C E L V K E   P G C G C C M T C A L A E G Q S C G V Y   T E R C A Q G L R C   L P R Q D E E K P L   H A L L H G R G V C L N E K S Y G E Q T   K I E R D S R E H E   E P T T S E M A E E   T Y S P K V F R P K H T R I S E L K A E   A V K K D R R K K L   T Q S K F V G G A E   N T A H P R V I P A P E M R Q E S E Q G   P C R R H M E A S L   Q E F K A S P R M V   P R A V Y L P N C D R K G F Y K R K Q C   K P S R G R K R G I   C W C V D K Y G M K   L P G M E Y V D G D F Q C H A F D S S N   V E           </pre>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	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.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	<p>IGFBP-5 Protein, a member of the insulin-like growth factor-binding proteins (IGFBPs), assumes a crucial role in extending the half-life of insulin-like growth factors (IGFs) and modulating their growth-promoting effects on cell culture. Demonstrating versatility, IGFBP-5 has been shown to either inhibit or stimulate the cellular responses elicited by IGFs. This regulatory function is achieved by IGFBP-5 through its ability to alter the interaction dynamics between IGFs and their corresponding cell surface receptors. By exerting control over these molecular interactions, IGFBP-5 contributes to the</p>
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intricate modulation of IGF signaling pathways, influencing cellular responses related to growth and development. The diverse effects of IGFBP-5 underscore its significance in the regulatory framework that governs the interplay between IGFs and their receptors.

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

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