

IGFBP-7 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P70858
Synonyms:	Insulin-like growth factor-binding protein 7; IGFBP7; IGF-binding protein 7; IGFBP-rP1; MAC25 protein; Tumor-derived adhesion factor; TAF
Species:	Mouse
Source:	HEK293
Accession:	Q61581 (S26-L281)
Gene ID:	29817
Molecular Weight:	32-38 kDa

PROPERTIES

AA Sequence	<p> S S S D A C G P C V P A S C P A L P R L G C P L G E T R D A C G C C P V C A R G E G E P C G G G A A G R G H C A P G M E C V K S R K R R K G K A G A A A G G P A T L A V C V C K S R Y P V C G S N G I T Y P S G C Q L R A A S L R A E S R G E K A I T Q V S K G T C E Q G P S I V T P P K D I W N V T G A K V F L S C E V I G I P T P V L I W N K V K R D H S G V Q R T E L L P G D R E N L A I Q T R G G P E K H E V T G W V L V S P L S K E D A G E Y E C H A S N S Q G Q A S A A A K I T V V D A L H E I P L K K G E G A Q L </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, 150 mM NaCl, pH 7.4.
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 ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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	<p>The IGFBP-7 Protein exhibits the ability to bind to IGF-I and IGF-II, albeit with relatively low affinity, while also demonstrating the capacity to stimulate prostacyclin (PGI₂) production. In addition to its interaction with insulin-like growth factors, IGFBP-7 plays a role in promoting cell adhesion, suggesting its involvement in cellular processes related to adhesion and potentially influencing cell-matrix interactions. These functional characteristics underscore the diverse roles of IGFBP-7 in modulating growth factor signaling and cellular responses.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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