

IGFBP-7 Protein, Human (HEK293, His)

Cat. No.:	HY-P70726
Synonyms:	Insulin-like growth factor-binding protein 7; IGFBP7; IGF-binding protein 7; IGFBP-rP1; MAC25 protein; Tumor-derived adhesion factor; TAF
Species:	Human
Source:	HEK293
Accession:	Q16270 (S27-L282)
Gene ID:	3490
Molecular Weight:	30-35 kDa

PROPERTIES

AA Sequence	<pre> S S S D T C G P C E P A S C P P L P P L G C L L G E T R D A C G C C P M C A R G E G E P C G G G G A G R G Y 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 G V S G V C V C K S R Y P V C G S D G T T Y P S G C Q L R A A S Q 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 Q V Y L S C E V I G I P T P V L I W N K V K R G H Y G V Q R T E L L P G D R D 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 S A K I T V V D A L H E I P V K K G E G A E L </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 300 mM NaCl, pH 8.0.
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	IGFBP-7 protein exhibits a relatively low affinity for binding to both IGF-I and IGF-II. Furthermore, it has the capacity to stimulate the production of prostacyclin (PGI ₂) and enhance cell adhesion. It is worth noting that the significance of its interaction with VPS24/CHMP3 remains uncertain and requires further investigation.
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Caution: Product has not been fully validated for medical applications. For research use only.

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