

IGFBP-7 Protein, Human (HEK293, Fc)

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| Cat. No.: | HY-P73142 |
| Synonyms: | Insulin-like growth factor-binding protein 7; IGFBP7; TAF; MAC25; PSF |
| Species: | Human |
| Source: | HEK293 |
| Accession: | Q16270 (S27-L282) |
| Gene ID: | 3490 |
| Molecular Weight: | 60-70 kDa |

PROPERTIES

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| 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> |
| Biological Activity | Immobilized Human CD93, His Tag at 2 µg/mL (100 µl/well) on the plate. Dose response curve for Human IGFBP-7, hFc Tag with the EC ₅₀ of 0.80 µg/mL determined by ELISA. |
| Appearance | Lyophilized powder |
| Formulation | Lyophilized from a 0.2 µm filtered solution of PBS, 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

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| 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 |
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interaction with VPS24/CHMP3 remains uncertain and requires further investigation.

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

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