

IGFBP-2 Protein, Rhesus Macaque (HEK293, His)

Cat. No.:	HY-P76409
Synonyms:	Insulin-like growth factor 2 mRNA-binding protein 2; IMP-2; IGF2BP2; VICKZ2
Species:	Rhesus Macaque
Source:	HEK293
Accession:	XP_001087071 (E38-Q326)
Gene ID:	696214
Molecular Weight:	Approximately 33 kDa.

PROPERTIES

AA Sequence	<pre> E V L F R C P P C T P E R L A A C G P P P V A P P A A V A A V A G G A R M P C A E L V R E P G C G C C S V C A R L E G E A C G V Y T P R C G Q G L R C Y P H P G S E L P L Q A L V M G E G T C E K R R D A E Y G A S P E Q V A D N G D D H S E G G L V E N H V D S T M N M L G G G G S A G R K P L K S G M K E L A V F R E K V A E Q H R Q M G K G G K H H L G L E E P K K L R P P P A R T P C Q Q E L D Q V L E R I S T M R L P D E R G P L E H L Y S L H I P N C D K H G L Y N L K Q C K M S L N G Q R G E C W C V N P N T G K L I Q G A P T I R G D P E C H L F Y N E Q Q E A H G V H T Q R M Q </pre>
Biological Activity	Measured by its ability to inhibit the biological activity of IGF-I on MCF-7 human breast cancer cells. The ED ₅₀ for this effect is 0.03282 µg/mL in the presence of 14 ng/mL rh IGF-I, corresponding to a specific activity is 3.047×10 ⁴ units/mg.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
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.
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	IGFBP2 is a member of a family of six insulin-like growth factor (IGF) binding proteins. IGFBP-2 is the second most
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abundant IGFBP in the circulation and binds IGF-II with higher affinity than IGF-I. IGFBP-2 has been implicated in the regulation of IGF activity in most tissues and organs. IGFBP2 is involved in regulation of insulin-like growth factor receptor signaling pathway^{[1][2][3][4]}.

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

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