

INSL4 Protein, Human (HEK293, His)

Cat. No.:	HY-P70833
Synonyms:	Early Placenta Insulin-Like Peptide; EPIL; Insulin-Like Peptide 4; Placentin; INSL4
Species:	Human
Source:	HEK293
Accession:	Q14641 (A26-T139)
Gene ID:	3641
Molecular Weight:	Approximately 9.0 kDa

PROPERTIES

AA Sequence	A E L R G C G P R F G K H L L S Y C P M P E K T F T T T P G G W L L E S G R P K E M V S T S N N K D G Q A L G T T S E F I P N L S P E L K K P L S E G Q P S L K K I I L S R K K R S G R H R F D P F C C E V I C D D G T S V K L C T
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 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	INSL4 Protein emerges as a potential key player, suggesting its crucial role in trophoblast development and the regulation of bone formation. The specific mechanisms through which INSL4 contributes to the intricate processes associated with trophoblast development remain to be fully elucidated, warranting further investigation into its functional significance in this context. Additionally, its potential involvement in the regulation of bone formation hints at a broader impact on skeletal development. The dual roles proposed for INSL4 underscore its significance in critical biological processes, prompting further research to unravel the precise molecular pathways and regulatory mechanisms through which INSL4 exerts its effects on trophoblast development and bone formation.
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Caution: Product has not been fully validated for medical applications. For research use only.

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