INSL6 Protein, Human (HEK293, His)

Cat. No.:	HY-P76455
Synonyms:	Insulin-like peptide INSL6; Relaxin/insulin-like factor 1; INSL6; RIF1
Species:	Human
Source:	HEK293
Accession:	Q9Y581/NP_009110.2 (R21-F198)
Gene ID:	11172
Molecular Weight:	Approximately 22.1 kDa.

PROPERTIES

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.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
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	The INSL6 protein appears to play a crucial role in sperm development and fertilization, implying its involvement in key processes essential for reproductive success. The recognition of its potential function in these intricate stages of male reproductive biology underscores its significance in facilitating the development and maturation of sperm, as well as contributing to the successful fertilization of ova. The precise mechanisms by which INSL6 operates in these processes remain an area of interest, reflecting its potential as a key player in reproductive physiology.

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