

IZUMO4 Protein, Human (199a.a, HEK293, Fc)

Cat. No.:	HY-P70849
Synonyms:	Sperm 22 kDa protein c113; IZUMO4; C19orf36; UNQ831/PRO1758
Species:	Human
Source:	HEK293
Accession:	Q1ZYL8-2 (H16-H214)
Gene ID:	113177
Molecular Weight:	Approximately 60.0 kDa

PROPERTIES

AA Sequence	<p> H G C L H C H S N F S K K F S F Y R H H V N F K S W W V G D I P V S G A L L T D W S D D T M K E L H L A I P A K I T R E K L D Q V A T A V Y Q M M D Q L Y Q G K M Y F P G Y F P N E L R N I F R E Q V H L I Q N A I I E S R I D C Q H R C G I F Q Y E T I S C N N C T D S H V A C F G Y N C E S S A Q W K S A V Q G L L N Y I N N W H K Q D T S M S L V S P A L R C L E P P H L A N L T L E D A A E C L K Q H </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 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

Background	IZUMO4 protein is a member of IZUMO family, and is usually expressed in testis, mature spermatozoa and nonreproductive tissues. IZUMO4 is involved in sperm-egg membrane fusion. Notably, IZUMO4 lacks a transmembrane domain ^{[1][2][3]} .
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Caution: Product has not been fully validated for medical applications. For research use only.

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