

## IZUMO4 Protein, Human (214a.a, HEK293, Fc)

Cat. No.:	HY-P77428
Synonyms:	Sperm 22 kDa protein c113; IZUMO4; C19orf36; UNQ831/PRO1758
Species:	Human
Source:	HEK293
Accession:	Q1ZYL8 (M1-H214)
Gene ID:	113177
Molecular Weight:	55-59 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.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> 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	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 <sup>[1][2][3]</sup> .
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**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA