

## Product datasheet for **TP728001**

### IZUMO4 Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Izumo Sperm-Egg Fusion Protein 4/ IZUMO4 (C-Fc)
Species:	Human
Expression cDNA Clone or AA Sequence:	His16-His214
Tag:	C-Fc
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Note:	Recombinant Human Izumo sperm-egg fusion protein 4 is produced by our Mammalian expression system and the target gene encoding His16-His214 is expressed with a Fc tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	113177
UniProt ID:	<a href="#">Q1ZYL8</a>
Synonyms:	Sperm 22 kDa protein c113; IZUMO4; C19orf36; UNQ831/PRO1758
Summary:	Izumo sperm-egg fusion protein 4 is a sperm membrane protein which plays a key role in the fusion in the mouse. IZUMO4 has an N-terminal domain with significant homology to the N-terminal domain of Izumo. It belongs to the Izumo family. Izumo 4 is a soluble protein expressed in the testis and in other tissues. Izumo domain possesses the ability to form dimers, whereas the transmembrane domain or the cytoplasmic domain or both of Izumo 1 are required for the formation of multimers of higher order.
Protein Families:	Secreted Protein, Transmembrane



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