

## 32-8021: Recombinant Human Izumo Sperm-Egg Fusion Protein 4/ IZUMO4 (C-Fc)(Discontinued)

**Gene :** IZUMO4  
**Gene ID :** 113177  
**Uniprot ID :** Q1ZYL8

### Description

Source: Human Cells.

MW :50.1kD.

Recombinant Human IZUMO4 is produced by our Mammalian expression system and the target gene encoding His16-His214 is expressed with a Fc tag at the C-terminus. 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.

### Product Info

**Amount :** Fc) / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.  
**Storage condition :** 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.  
**Amino Acid :** HGCLHCHSNFSKFKFSFYRHHVNFKSWWVGDI PVSGALLTDWSDDTMKELHLAIPAKITREKLDQVATAVYQM MDQLYQGKMYFPGYFPNELRNIFREQVHLIQNAIIESRIDCQHRCGIFQYETISCNNCTDSHVACFGYNCESSAQ WKS AVQGLLN YINNWHKQDTSMSLVSPALRCLEPPHLANLTLEDAAECLKQHVDIEGRMDEPKSCDKTHTC PPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTY RVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPS DIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNV FSCSV MHEALHNHYTQKLSLSLSPGK

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.