

## Recombinant Human IZUMO1 protein(Met1-Arg292), His-tagged

Cat. No. IZUMO1-8591H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IZUMO1 (AAH34769.1) (Met1-Arg292) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-292 a.a.
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Molecular Mass</b>	The recombinant human IZUMO1 consists of 282 amino acids and predicts a molecular mass of 32.1 KDa. It migrates as an approximately 43 KDa band in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** IZUMO1 izumo sperm-egg fusion 1 [ Homo sapiens ]

**Official Symbol** IZUMO1

**Synonyms** IZUMO1; izumo sperm-egg fusion 1; izumo sperm-egg fusion protein 1; IZUMO; MGC34799; OBF; oocyte binding/fusion factor; sperm-specific protein Izumo; FLJ61440;

**Gene ID** 284359

**mRNA Refseq** NM\_182575

**Protein Refseq** NP\_872381

**MIM** 609278

**UniProt ID** Q8IYV9

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