Datasheet for ABIN1945378

IZUMO4 Protein (AA 16-214) (Fc Tag)

Go to Product page

Overview

Quantity:	50 µg
Target:	IZUMO4
Protein Characteristics:	AA 16-214
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IZUMO4 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human Izumo Sperm-Egg Fusion Protein 4/ IZUMO4 (C-Fc)
Sequence:	HGCLHCHSNF SKKFSFYRHH VNFKSWWVGD IPVSGALLTD WSDDTMKELH LAIPAKITRE KLDQVATAVY QMMDQLYQGK MYFPGYFPNE LRNIFREQVH LIQNAIIESR IDCQHRCGIF QYETISCNNC TDSHVACFGY NCESSAQWKS AVQGLLNYIN NWHKQDTSMS LVSPALRCLE PPHLANLTLE DAAECLKQHV DDIEGRMDEP KSCDKTHTCP PCPAPELLGG PSVFLFPPKP KDTLMISRTP EVTCVVVDVS HEDPEVKFNW YVDGVEVHNA KTKPREEQYN STYRVVSVLT VLHQDWLNGK EYKCKVSNKA LPAPIEKTIS KAKGQPREPQ VYTLPPSREE MTKNQVSLTC LVKGFYPSDI AVEWESNGQP ENNYKTTPPV LDSDGSFFLY SKLTVDKSRW QQGNVFSCSV MHEALHNHYT QKSLSLSPGK
Characteristics:	Recombinant Human IZUMO4 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (AA 16-214) of Human IZUMO4 fused with a FC tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Product Details

Sterility:	0.2 μm filtered
Endotoxin Level:	Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test

Target Details

Target:	IZUMO4
Alternative Name:	IZUMO4 (IZUMO4 Products)
Background:	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.
Molecular Weight:	50.1 kDa
UniProt:	Q1ZYL8

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 μg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	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.