

Recombinant Human ZP2 293 Cell Lysate

Cat. No. ZP2-9193HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for zona pellucida glycoprotein 2 (sperm receptor) (ZP2) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

ZP2 zona pellucida glycoprotein 2 (sperm receptor) [Homo sapiens]

Official Symbol

ZP2

Synonyms

ZP2; zona pellucida glycoprotein 2 (sperm receptor); zona pellucida sperm-binding protein 2; zona pellucida protein A; zona pellucida glycoprotein ZP2; ZPA; Zp-2;

Gene ID

7783

mRNA Refseq

NM_003460

Protein Refseq

NP_003451

MIM

182888

UniProt ID

Q05996

Chromosome Location

16p12

Pathway

Ovarian Infertility Genes, organism-specific biosystem;

Function

acrosin binding; coreceptor activity; receptor activity;

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