

Product Information

MemDX™ Membrane Protein Human ZP2 (Zona pellucida glycoprotein 2) for Antibody

Discovery

Cat. No.: **MP0981J**

This product is for research use only and is not intended for diagnostic use.

This product is a 78.2 kDa Human ZP2 membrane protein expressed in HEK293T. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

ZP2

Protein Length

Full-length

Protein Class

Secreted Protein, Transmembrane

Molecular Weight

78.2 kDa

TMD

1

Sequence

MACRQRGGSWSPSGWFNAGWSTYRSISLFFALVTSVNSIDVSQLVNPAPFGTVTCDEREITVEFPSSPGT
KKWHASVVDPLGLDMPNCTYILDPEKLTLRATYDNCTRRVHGGHQMTIRVMNNSAALRHGAVMYQFFCPA
MQVEETQGLSASTICQKDFMSFSLPRVFSGLADDSKGTKVQMGWSIEVGDGARAKTLTLPEAMKEGFSL
IDNHRMTFHVFPNATGVTHYVQGNSHLYMVSLKLTIFISPGQKVIFSSQAICAPDPVTCNATHMTLTIPEF
PGKLKSVSFENQNIDVSQLHDNGIDLEATNGMKLHFSKTLTKLSEKCLLHQFYLASLKLTFLLRPETV
SMVIYPECLCESPVSIVTGELCTQDGFMDVEVYSYQTQPALDLGTLRVGNSSCQPVFEAQSQGLVRFHIP
LNGCGTRYKFEDDKVYENEIHALWTDFFPSKISRDEFRMTVKCSYSRNDMLLNINVESLTPPVASVKL
GPFTLILQSYPDNSYQQPYGENEYPLVRFLRQPIYMEVRVLNRDDPNIKLVLDWCWATSTMDPDSFPQWN
VVVDGCAYDLDNQTTFFHPVGSSVTHPDHYQRFDMKAFVSEAHVLSSLVYFHCSALICNRLSPDSPLC
SVTCPVSSRHRRATGATEAEKMTVSLPGPILLSDSSFRGVGSSDLKASGSSGEKSRSETGEEVGSRG
MDTKGHKTAGDVGSKAVAAVAFAFAGVVATLGFIIYYLYEKRTVSNH

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

ZP2

Full Name

Zona pellucida glycoprotein 2

Introduction

The zona pellucida is an extracellular matrix that surrounds the oocyte and early embryo. It is composed of three glycoproteins with various functions during fertilization and preimplantation development. The glycosylated mature peptide is one of the structural components of the zona pellucida and functions in secondary binding and penetration of acrosome-reacted spermatozoa. Female mice lacking this gene do not form a stable zona matrix and are sterile. Alternative splicing results in multiple transcript variants.

Alternative Names

ZPA; Zp-2; OOMD6

Gene ID

[7783](#)

UniProt ID

[Q05996](#)