

Product datasheet for PH319115

ZP2 (NM_003460) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ZP2 MS Standard C13 and N15-labeled recombinant protein (NP_003451)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC219115
Predicted MW:	82.4 kDa
Protein Sequence:	>RC219115 representing NM_003460 Red=Cloning site Green=Tags(s)
	MACRQRGGSWSPSGWFWNAGWSTYRSISLFFALVTSVNSIDVSQLVNPAPFGTVCDEREITVEFPSSPGT KKWHASVVDPLGLDMPNCTYILDPEKLTLRATYDNCTRRVHGGHQMTRVMNNSAALRHGAVMYQFFCPA MQVEETQGLSASTICQKDFMSFSLPRVFSGLADDSKGTKVQMGWSIEVGDGARAKTLTLPEAMKEGFSLL IDNHRMTFHVPFNATGVTHYVQGNSHLYMVSLKLTFFISPGQKVIFFSSQAICAPDPVTCNATHMTLTIPEF PGKLSVSVFENQIDVSQLHDNGIDLEATNGMKLHFSTLLKTKLSEKLLHQFYLASLKLTFLLRPETV SMVIYPECLCESPVSIVTGELCTQDGFMDVEVYSYQTQPALDLGTLRVGNSSCQPVFEAQSQGLVRFHIP LNGCGTRYKFEDDKVYVENEIHALWTFPPSKI SRDSEFRMTVKCSYSRNDMLLNINVESLTPPVASVKL GPFITLILQSYPDNSYQQPYGENEYPLVRF LRQPIYMEVRVLRDDPNIKLVLDCCWATSTMDPDSFPQWN VVVDGCAYDL DNYQTTFFHPVGSSVTHPDHYQRFDMKAFVSEAHVLSL YVFHCSALICNRLSPDSPLC SVTCPVSSRRHRATGATEAEKMTVSLPGPILL L SDDSSFRGVGSSDLKASGSSGKSRSETGEEVGSRGA MDTKGHKTAGDVGSKAVAAVAAGV VATLGF IYYLYEKRTVSNH
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_003451



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RefSeq Size:	2266
RefSeq ORF:	2235
Synonyms:	OOMD6; Zp-2; ZPA
Locus ID:	7783
UniProt ID:	Q05996
Cytogenetics:	16p12.3-p12.2

Summary: 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. [provided by RefSeq, Feb 2014]

Protein Families: Secreted Protein, Transmembrane

Product images:



Coomassie blue staining of purified ZP2 protein (Cat# [TP319115]). The protein was produced from HEK293T cells transfected with ZP2 cDNA clone (Cat# [RC219115]) using MegaTran 2.0 (Cat# [TT210002]).