

Recombinant Full Length Pig Zona Pellucida Sperm-Binding Protein 2(Zp2) Protein, His-Tagged

Cat. No. RFL2690SF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Pig Zona pellucida sperm-binding protein 2(ZP2) Protein (P42099) (36-638aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Sus scrofa (Pig)
Source	E.coli
ProteinLength	Full Length of Mature Protein (36-638)
Form	Lyophilized powder
AA Sequence	IGVNQLVNTAFPGIVTCHENRMVVEFPRILGTIKIYTSVVDPLGLEMMNCTYVLDPEN LTLKAPYEACTKRVRGHHQMTIRLIDDNAALRQEALMYHISCPVMGAEGPDQHSGS TICMKDFMSFTFNFFPGMADENVKREDSKQRMGWSLVVGDGERARTLTFQEAMTQ GYNFLIENQKMNIQVSFATGVTRYSGNSHLYMVPLKLKHVSHGQSLILASQLICVA DPVTCNATHVTLAIPEFPGKLKSVNLGSGNIAVSQ LHKHGIEMETTNGRLHFNQTLL KTNVSEKCLPHQLYLSSLKLT FHSQLEAVSMVIYPECLCESTVSLVSEELCTQDGF M DVKVHSHQTKPALNLDLTRVGDSSCQPTFKAPAQGLVQFRIPLNGCGTRHKFKNDK VIYENEIHALWADPPSAVSRDSEFRMTVRCSYSSSNMLINTNVESLPSPEASVKPGP LTLTLQTYPDNAYLQPYGDKEYPVVKYLRQPIYLEVRILNRTDPNIKLVLDCCWATST EDPASLPQWNVMDGCEYNLDNHRTTFHPVGSSVTYPNHHQRFVDVKTF AFVSGAQ GVSQLVYFHC SVFICNQLSPTFSLCSVTCHGPSRSRRATGTTEEEKMIVSLPGPILL SDGSSLRDAVNS

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Purity	Greater than 90% as determined by SDS-PAGE.
Applications	SDS-PAGE
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Storage Buffer	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name	ZP2
Synonyms	ZP2; ZPA; Zona pellucida sperm-binding protein 2; Zona pellucida glycoprotein 2; Zp-2; Zona pellucida protein A; pZP1
UniProt ID	P42099

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