

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

**Cat. No.** RFL18698CF    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

Recombinant Full Length Dog Zona pellucida sperm-binding protein 2(ZP2) Protein (P47983) (39-637aa), fused to N-terminal His tag, was expressed in E. coli.

### Species

Dog

### Source

E.coli

### ProteinLength

Full Length of Mature Protein (39-637)

### Form

Lyophilized powder

### AA Sequence

VGVMQLVNIPIFGTVICHENKMTVEFPRDLGTTKWHASVVDPFSELLNCTSILDPE  
 KLTLKAPYETCSRRVLGQHQMAIRLTDNNAASRHKAFMYQISCPVMQTEETHEHAG  
 STICTKDSMSFTFNIIPGMADENTNPSGGKWMMEVDDAKAQNLTREALMQGYNFL  
 FDSHRLSVQVSFNATGVTHYMQGNSHLYTVPLKLIHTSPGQKIILTTRVLCMSDPVTC  
 NATHMTLTIPEFPGKLQSVRFENTNFRVSQLHNHGIDKEELNGLRLHFSSLLKMNS  
 SEKCLLYQFYLASLKLTFAFERDTVSTVVYPECVCEPPVTIVTGDLCQDGFMDVKV  
 YSHQTKPALNLDTLRVGDSSCQPTFKAPSQGLTLFHIPLNGCGTRLKFKGDTVIIYEN  
 EIHALWTDLPPSTISRDEFRMTVKCHYSRDDLLINTNVQSLPPPVASVRPGPLALIL  
 QTYPDKSYLRPYGDKEYPVVRYLRQPIYLEVKVLNRADPNIKLVLDCCWATPTMDPA  
 SLPQWNIVMDGCEYNLDNYRTTFHPVGSSVTYPHTYQRFDVKTFAFISEAQVLSLVLV  
 YFHCTALICNRLSPDSPLCSVTCPVSSRHRRTATGSTEEEMIVSLPGPILLADSSSL  
 RDGVDSKGH

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<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Applications</b>	SDS-PAGE
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Storage</b>	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
<b>Reconstitution</b>	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.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	ZP2
<b>Synonyms</b>	ZP2; ZPA; Zona pellucida sperm-binding protein 2; Zona pellucida glycoprotein 2; Zp-2; Zona pellucida protein A
<b>UniProt ID</b>	<a href="#">P47983</a>

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