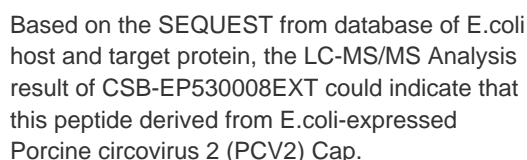
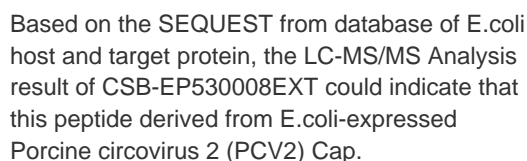
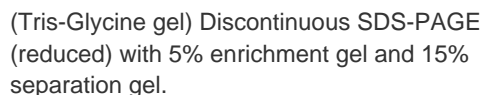




Recombinant Porcine circovirus 2 Capsid protein (Cap)

Product Code	CSB-EP530008EXT
Relevance	Self-assembles to form the virion icosahedral capsid with a T=1 symmetry. This very small capsid (17 - 22 nm in diameter) allows the virus to be very stable in the environment and resistant to some disinfectants, including detergents. Essential for the initial attachment to heparan sulfate moities and chondroitin sulfate B of the host cell surface proteoglycans. After attachment, the virus is internalized in a clathrin-, caveolae- and dynamin-independent, actin and Rho-GTPase-mediated pathway and traffics to the nucleus. The capsid protein binds and transports the viral genome and Rep across the nuclear envelope
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	O56129
Product Type	Recombinant Protein
Immunogen Species	Porcine circovirus 2 (PCV2)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MTYPRRRYRRRRHRPRSHLGQILRRRPWLVHPRHRYRWRRKNGIFNTRLRSR TFGYTVKATTVRTPSWAVDMMRFNIDDFVPPGGGTNKISIPFEYYRIRKVKVEF WPCSPITQGDRGVGSTAVILDDNFVTKATALTYDPYVNYSSRHTIPQPFSYHS RYFTPKPVL DSTIDYFQPNKRTQLWLRLQTSRNVHDHVGGLGTAFENSIYDQDY NIRVTMYVQFREFNLKDPPLKP
Lead Time	3-7 business days
Research Area	Signal Transduction
Source	E.coli
Gene Names	Cap
Protein Names	Recommended name: Capsid protein
Expression Region	1-233aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-SUMO-tagged and C-terminal Myc-tagged
Mol. Weight	47.9 kDa
Protein Description	Full Length
Image	



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.