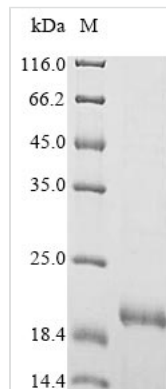




Recombinant Pig Antibacterial peptide PMAP-23 (PMAP23)

Product Code	CSB-EP342648PI
Abbreviation	Recombinant Pig PMAP23 protein
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.	P49930
Product Type	Recombinant Protein
Immunogen Species	Sus scrofa (Pig)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	RIIDLLWRVRRPQKPKFVTWVR
Research Area	Others
Source	E.coli
Target Names	PMAP23
Protein Names	Recommended name: Antibacterial peptide PMAP-23Alternative name(s): Myeloid antibacterial peptide 23
Expression Region	131-153aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	19.0 kDa
Protein Length	Full Length of Mature Protein

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

In the general approach to express the recombinant Pig PMAP23 protein, a



plasmid encoding the Pig PMAP23 protein (131-153aa) is first constructed. The constructed plasmid is then introduced into e.coli cells. Plasmid-containing e.coli cells are screened and cultured under conditions that induce the protein expression. The protein is fused with a N-terminal 6xHis-SUMO tag. Lysing the cultured cells and purifying the resulting recombinant PMAP23 protein through affinity purification. The SDS-PAGE analysis is conducted to confirm the presence of the recombinant PMAP23 protein and assess its purity. Its purity is over 85%.

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.

Shelf Life

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