

Recombinant Full Length Pediocin Pa-1 Transport/Processing Atp-Binding Protein Pedd(Pedd) Protein, His-Tagged

Cat. No. RFL20121PF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Pediocin PA-1 transport/processing ATP-binding protein PedD(pedD) Protein (P36497) (1-724aa), fused to N-terminal His tag, was expressed in E. coli.
Species	<i>Pediococcus acidilactici</i>
Source	E.coli
ProteinLength	Full Length (1-724)
Form	Lyophilized powder
AA Sequence	MWTQKWHKYYTAQVDENDCGLAALNMILKYYGSDYMLAHLRQLAKTTADGTTVLG LVKAA KHLNLNAEAVRADMDALTASQLPLPVIVHVFKKNKLPHYVVYQVTENDLIIG DPDPTVK TTKISKSQFAKEWTQIAIIAPTVMKYKPIKESRHTLIDLVP LLIKQKRLIGLIITA AAIT TLISIAGAYFFQLIIDTYLPHLMTNRLSLVAIGLIVAYAFQAIINYIQSFFTIVLGQRL M IDIVLKYYVHHLFDLPMNFFTTRHVGEMTSRFS DASKIIDALGSTTLTFLDMWILLAV GL FLAYQNINLFLCSLVVPIYISIVWLFKKTFNRLNQDTMESNAVLNSAIIESLSGIETI K SLTG EATTKKKIDTLFSDLLHKNLAYQKADQGQQA IKAATKLITIVILWWGTFFVM RHQ LSLGQLLTYNALLAYFLTPLENIINLQPKLQAARVANNRLNEVYLVESEFSKSRE ITALE QLNGDIEVNHVSFNYGYCSNILEDVSLTIPHHQKITIVGMSGSGKTTLAKLLVG FFEPQE QHGEIQINHHNISDISRTL RQYINYVPQEPFIFSGSVLENLLLGS RPGVTQQ MIDQACS FAEIKTDIENLPQGYHTRLSESGFNLSGGQKQRLSIARALLSPAQCFIFDE

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	STSNLDTIT EHKIVSKLLFMKDKTIIFVAHRLNIASQTDKVVLDHKGKIVEQGSQRQLL NYNGYYARLI HNQE
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 multiple 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	pedD
Synonyms	pedD; papD; Pediocin PA-1 transport/processing ATP-binding protein PedD; Pediocin AcH transport ATP-binding protein PapD
UniProt ID	P36497