

Product datasheet

Recombinant Human Penicillin Binding Protein 2X ab168007

1 Image

Overview

Product name	Recombinant Human Penicillin Binding Protein 2X
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Escherichia coli
Amino Acid Sequence	
Accession	P59676
Species	Human

Sequence	<p>TGTRFGTDLAKEAKKVHQTTRTVPKRGTYDRNGVPI AEDATSYNVYAV IDENYKSATGKILYVEKTQFNKVAEVFHKYLDMEESYV REQLSQPNLKQV SFGAKGNGITYANMMSIKKELEAAEVKIDFTTSPNRSY PNGQFASSFIG LAQLHENEDGSKSLLGTSGMESSLNSILAGTDGIIYEK DRLGNVPGTE QVSQRTMDGKDVYTTISSPLQSFMETQMDAFQEKVK GKYMTATLVSAKTG EILATTQRPTFDADTKEGITEDFVWRDILYQSNYEPGST MKVMMLAAAID NNTFPGGEVFNSSSELKIADATIRDWDVNEGLTGGRMM TFSQGFAHSSNVG MTLLEQKMGDATWLDYLNRFKFGVPTRFGLTDEYAGQ LPADNIVNIAQSS FGQGISVTQTQMIRAFATAIANDGVMLEPKFISAIYDPND QTARKSQKEIV GNPVSKDAASLTRTNMVLVGTDPVYGTMYNHSTGKPT VTVPGQNVALKSG TAQIADEKNGGYLVGLTDYIFSAVSMSPAENPDFILYVT VQQPEHYSGIQ LGEFANPILERASAMKDSLNLQTTAKALEQVSQQSPY</p>
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PMPSVKDISPGDL
AEELRRNLVQPIVVGTKIKNSSAEEGKNLAPNQVLI
LSDKAEEVPDM
YGWTKETAETLAKWLNIELEFQSGSTVQKQDVRANT
AIKDIKKITLTLG D

Molecular weight	77 kDa
Amino acids	50 to 750
Tags	His tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab168007** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Purity	>95% by SDS-PAGE .
Form	Liquid

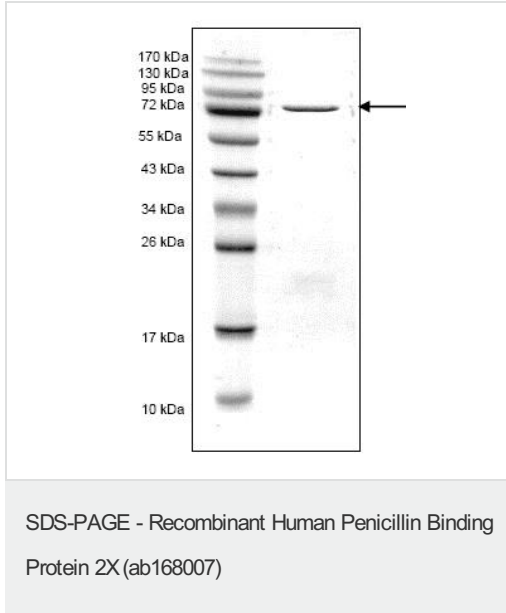
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. pH: 7.40 Constituents: PBS, 50% Glycerol
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General Info

Function	Penicillin-binding proteins (PBPs) function in the late steps of murein biosynthesis. Beta-lactams inactivate the PBPs by acylating an essential serine residue in the active site of these proteins.
Sequence similarities	Belongs to the transpeptidase family. Contains 2 PASTA domains.
Cellular localization	Cell membrane.

Images



SDS-PAGE analysis of ab168007.

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