
Penicillin Binding Protein 2X

Human, Recombinant, *E. coli*

Cat. No.: RCP9490

Size: 10µg

Synonym: PBP-2X; PBP2x; pbpx.

Description: Penicillin-binding proteins (PBPs) function in the late steps of murein biosynthesis. Penicillin Binding Protein 2X is a membrane bound transpeptidase belong to the high molecular weight class B group of penicillin binding proteins. This enzyme is one of the primary targets of beta-lactam antibiotics in *Streptococcus pneumoniae*. Beta-lactams inactivate the PBPs by acylating an essential serine residue in the active site of these proteins.

RANDOX recombinant Penicillin Binding Protein 2X comprises a 701 amino acid fragment (50-750) corresponding to the mature PBP-2X protein and is expressed in *E. coli* with an amino-terminal hexahistidine tag. This product is for research use only and is not intended for diagnostic or therapeutic use.

Form: Liquid.
Supplied in 1x Laemmli Buffer (25mM Tris-HCl pH6.8, 50mM DTT, 1% (w/v) SDS, 0.1% (w/v) Bromophenol Blue, 2.5% Glycerol).

Purity: Single band on Western blot.

References: Laible, G. *et.al.* 1992 *Eur. J. Biochem.* **(207)** : 943-949.