

**Penicillin Binding Protein 2X**

**Human, Recombinant, *E. coli***

<b>Cat. No.:</b>	RCP9491	<b>Size:</b>	10µg
	RCP9492		100µg
	RCP9493		1000µg

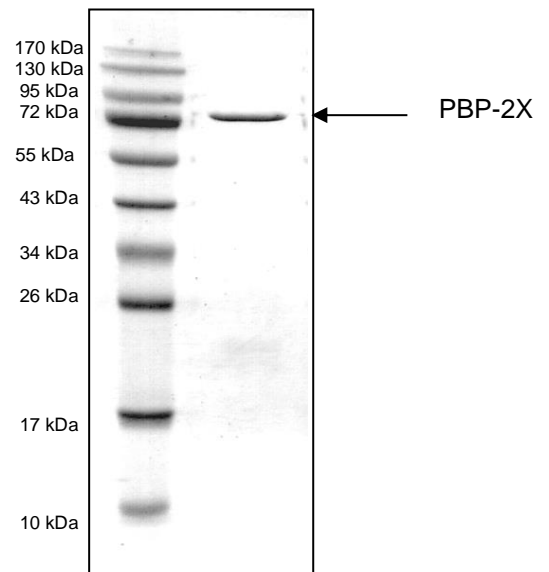
**Synonym:** PBP-2X; PBP2x; pbpx.

**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

**Purity:** >95% by SDS-PAGE



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