

Recombinant Clostridium Botulinum PBPA Protein (663-830 aa), His-SUMO-tagged

Cat. No. PBPA-2169C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Clostridium Botulinum (strain Hall/ATCC 3502/NCTC 13319/Type A) PBPA Protein (663-830 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Cell Biology. Protein Description: Partial.
Species	Clostridium Botulinum
Source	E.coli
ProteinLength	663-830 aa
Description	Cell wall formation. Synthesis of cross-linked peptidoglycan from the lipid intermediates. The enzyme has a penicillin-insensitive transglycosylase N-terminal domain (formation of linear glycan strands) and a penicillin-sensitive transpeptidase C-terminal domain (cross-linking of the peptide subunits).
Form	Tris-based buffer, 50% glycerol
Molecular Mass	35.2 kDa
AA Sequence	VDRISGKLPTQLSYRDPRGSTVYNEFFINGTIPTEYDDIHVEAQINKLTGKLASKFTPS FLVESRVFLRRDYS PGVELLDQWLLPY SIDE GGS LPPT EEK NNS NTR DKN KDK NK NKNKDKNPSQDKPNNNNNDNNSNNNNNNNDNNTKPPENDSNQNHEDNKNKQ

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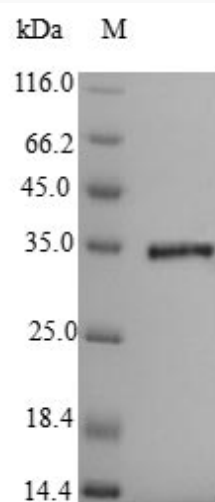
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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Synonyms	pbpA; Peptidoglycan TGase DD-transpeptidase;
UniProt ID	A5I6G4



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

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