

Recombinant Bordetella Pertussis PTXA Protein (35-269 aa), His-tagged

Cat. No. PTXA-938B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Bordetella Pertussis (strain Tohama I/ATCC BAA-589/NCTC 13251) PTXA Protein (35-269 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Species	Bordetella Pertussis
Source	E.coli
ProteinLength	35-269 aa
Description	S1 is an NAD-dependent ADP-ribosyltransferase, which plays a crucial role in the pathogenesis of B.pertussis causing disruption of normal host cellular regulation. It catalyzes the ADP-ribosylation of a cysteine in the alpha subunit of host heterotrimeric G proteins. In the absence of G proteins it also catalyzes the cleavage of NAD ⁺ into ADP-ribose and nicotinamide. It irreversibly uncouples the G-alpha GTP-binding proteins from their mbrane receptors.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	30.2 kDa
AA Sequence	DDPPATVYRYDSRPPEDVFQNGFTAWGNNDNVLDHLTGRSCQVGSSNSAFVSTSS SRRYTEVYLEHRMQEAVEAERAGRGTGHFIGYIYEV RADNNFYGAASSYFEYVD TY

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GDNAGRILAGALATYQSEYLAHRRIPPENIRRVTRVYHNGITGETTTTEYSNARYVSQ
 QTRANPNPYTSRRSVASIVGTLVRMAPVIGACMARQAESSEAMAAWSEORAGEAMV
 LVYYESIAYSF

Purity > 90% as determined by SDS-PAGE.

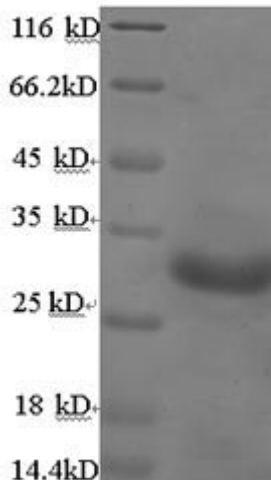
Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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 with concentration instruction is sent along with the products.

GENE INFORMATION

UniProt ID [P04977](#)



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

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