

## PGAB Protein, E. coli, Recombinant (His &amp; Myc)

## General Information

Synonyms:	Poly-beta-1,6-GlcNAc N-deacetylase;ycdR;PGA N-deacetylase;pgaB;Poly-beta-1,6-N-acetyl-D-glucosamine N-deacetylase;6-N-acetyl-D-glucosamine N-deacetylase
Protein Construction:	21-672 aa
Species:	E. coli
Expression Host:	E. coli
Accession:	P75906
Molecular Weight:	82.6 kDa (predicted)
AA Sequence:	CISQRTSFIPPQDRESLLAEQPWPHNGFVAISWHNVEDEAADQRFMSVRTSALREQFAWLRENGYQPVSI QIREAHRGGKPLPEKAVVLTFFDDGYQSFYTRVFPILQAFQWPAVWAPVGSWVDTPADKQVKFGDELVDREY FATWQQVREVARSLVELASHTWNSHYGIQANATGSLLPVYVNRAYFTDHARYETAAEYRERIRLDAVKMTE YLRTKVEVNPHVFWVPYGEANGIAIEELKGLGYDMFFTLESGLANASQLDSIPRVLIANNPSLKEFAQQIITVQE KSPQRIMHIDL DYVDENLQQMDRNIDVLIQRVKDMQISTVYLQAFADPDGDGLVKEVWFPNRLLPKADIF SRVAWQLRTRSGVNIYAWMPVLSWDLDP TLTRVKYLP TGEKKAQIHPEQYHRLSPFDDRVR AQVGMLYEDL AGHA AFDGILFHDDALLSDYEDASAPAITAYQQAGFSGSLSEIRQNPEQFKQWARFKSRALTDFTLELSARVK AIRGPHIKTARNIFALPVIQPESEAWFAQNYADFLKSYDWTAIMAMPYLEGVAEKSADQWLIQLTNQIKNIPQ AKDKSILELQAQNWQKNGQHQAISQQLAHWMSLLQLNGVKNYGYPPDNFLHNQPEIDLIRPEFSTAWYP KND

## QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

## Preparation and Storage

## Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

## Stability &amp; Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

*Actual storage temperature shall be subject to the COA.*

### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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### Protein Background

Catalyzes the N-deacetylation of poly-beta-1,6-N-acetyl-D-glucosamine (PGA), a biofilm adhesin polysaccharide. N-deacetylation promotes PGA export through the PgaA porin.

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Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481