

## Exopolyphosphatase Protein, E. coli O6:H1, Recombinant (His)

### General Information

Synonyms: ExopolyPase;ppx;Exopolyphosphatase

Protein Construction: 2-513 aa

Species: E. coli

Expression Host: E. coli

Accession: P0AFL7

Molecular Weight: 62.0 kDa (predicted)

AA Sequence: PIHDKSPRPQEFAAVDLGSNSFHMVIARVVDGAMQIIGRLKQRVHLADGLGPDNMLSEEAMTRGLNCLSLFA  
ERLQGFSPASVCIVGTHLTRQALNATDFLKRAEKVIPYPIEISGNEEARLIFMGVEHTQPEKGRKLVIDIGGGST  
ELVIGENFEPILVESRRMGCVSFAQLYFPGGVINKENFQRRARMAAAQKLETLTWQFRIQGWNVAMGASGTIK  
AAHEVLMEMGEKDGIITPERLEKLVKEVLRHRNFASLSLPLSEERKTVFVPGLAILCGVFDALAIRELRLSDGA  
LREGVLYEMEGFRHQDVRSTASSLANQYHIDSEQARRVLDTTMQMYEQWREQPKLAHPQLEALLRWA  
AMLHEVGLNINHSGLHRHSAYILQNSDLPGFNQEQQLMMATLVRYHRKAIKDDLPRFTLFKKKQFLPLIQLL  
RLGVLLNNQRQATTPPTLTITDDSHWTLRFPDHFWSQNALVLLDLEKEQEYWEGVAGWRLKIEESTPEIA  
A

### 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: > 90% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Tris-based buffer, 50% glycerol

### Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & 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.

Shipping:

In general, Lyophilized powders are shipping with blue ice. Solutions are shipping with dry ice.

### Protein Background

Degradation of inorganic polyphosphates (polyP). Releases orthophosphate processively from the ends of the polyP chain.

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