

## Diphtheria toxin Protein, Coryneophage beta, Recombinant (His)

## General Information

Synonyms: Diphtheria toxin;NAD(+)--diphthamide ADP-ribosyltransferase;DT

Protein Construction: 33-417 aa

Species: Coryneophage beta

Expression Host: E. coli

Accession: P00588

Molecular Weight: 72.2 kDa (Predicted)

AA Sequence: GADDVVDSSKSFVMENFSSYHGTKPGYVDSIQKGIQKPKSGTQGNYYDDDWKGFYSTDNKYDAAGYSVDNE  
NPLSGKAGGVVKVYTPGLTKVLALKVDNAETIKKELGLSLTEPLMEQVGTTEEFIKRFGDGASRVVLSLPPFAEGS  
SSVEYINNWEQAKALSVELEINFETRGRGQDAMYEYMAQACAGNRVRRSVGSSLSCINLDWDVIRDKTKTK  
IESLKEHGPIKNKMSSEPNKTVSEEKAKQYLEEFHQTALEHPELSELKTVTGTNPVFAGANYAAWAVNVAQVI  
DSETADNLEKTTAALSILPGIGSVMGIADGAVHHNTEEIVAQSIALSSLMVAQAIPLVGELVDIGFAAYNFVESII  
NLFQVVHNSYNRPAYSPGHKGGGGSGGGGSGGGGSGGGGSGGGGSGGGGSGGGGSGGGGSGGGGSGGGGSGGGG  
KVKQYANDNGVDGEWYDDATKTFTVTEKPEVIDASELTPAVTTYKLVINGKTLKGETTTEAVDAATAEKVF  
KQYANDNGVDGEWYDDATKTFTVTEKPEVIDASELTPAVTTYKLVINGKTLKGETTTKAVDAETAEKAFKQY  
ANDNGVDGVWYDDATKTFTVTE

## 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: > 95% as determined by SDS-PAGE.

Endotoxin: Not tested.

Formulation: Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4

## Preparation and Storage

## Reconstitution:

Reconstitute the lyophilized protein in distilled 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 390 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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