

# Recombinant DT3C (Diphtheria toxin & spg 3C domain) protein



Catalog Number: 530421

## Gene Name Synonym

Diphtheria toxin & spg 3C domain

## Protein Construction

DNAs encoding 33-417aa (P00588) & 291-497aa (P19909) were fused with N-terminal 6His tag

## Expression Host

E. coli

## Purity

>95%, by SDS-PAGE with Coomassie Brilliant Blue staining.

## Endotoxin

<1.0 EU/ $\mu$ g

## Stability

Samples are stable for up to twelve months from date of receipt at -70°C

## Formulation

20mM Tris-HCl, 150mM NaCl, pH 8.0

## Storage

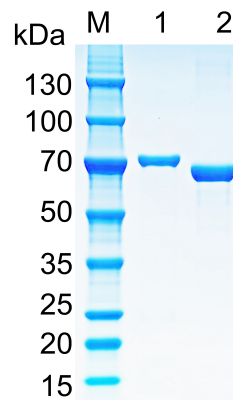
Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

## Reconstitution

Reconstitute at 0.25  $\mu$ g/ $\mu$ l in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for

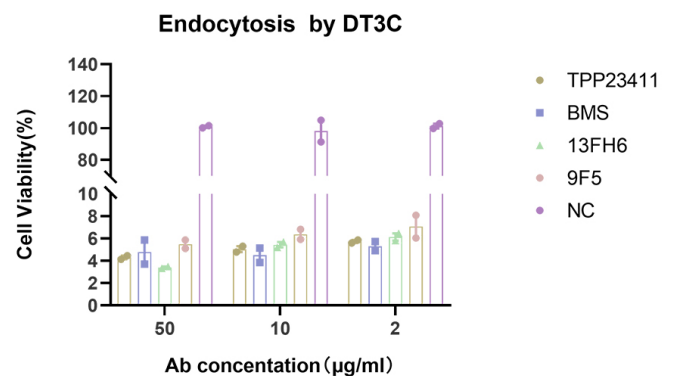
your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

## SDS-PAGE



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Lane 1: DT3C, Lane 2: BSA



ADC endocytosis by DT3C

Incubate the antibody with DT3C (4  $\mu$ g/mL) at 37°C for 30 min. Test the ADCs at the following concentrations: 50, 10, and 2  $\mu$ g/mL. Culture the treated cells in an incubator for 2 days