

Product datasheet

Native Diphtheria Toxin (mutated G52E) protein ab188505

[2 References](#) [1 Image](#)

Description

Product name	Native Diphtheria Toxin (mutated G52E) protein
Purity	> 95 % SDS-PAGE.
Expression system	Native
Accession	<u>Q5PY51</u>
Protein length	Full length protein
Animal free	No
Nature	Native
Species	Corynebacterium diphtheriae
Predicted molecular weight	58 kDa
Amino acids	1 to 536
Additional sequence information	CRM197 non-toxic mutant (52nd Gly to Glu) was highly purified from growth media of the Corynebacterium diphtheriae mutant as mostly unnicked form.

Specifications

Our **Abpromise guarantee** covers the use of **ab188505** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot ELISA Functional Studies SDS-PAGE
Form	Liquid
Additional notes	CRM197 is a nontoxic mutant of Diphtheria toxin (<i>Corynebacterium diphtheriae</i>). This is mutant diphtheria toxin which can not kill cells but can bind the receptor molecule (HB-EGF receptor) on animal cells.

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at -80°C. Avoid freeze / thaw cycle.

pH: 6

Constituents: 0.32% Tris HCl, 0.87% Sodium chloride

General Info

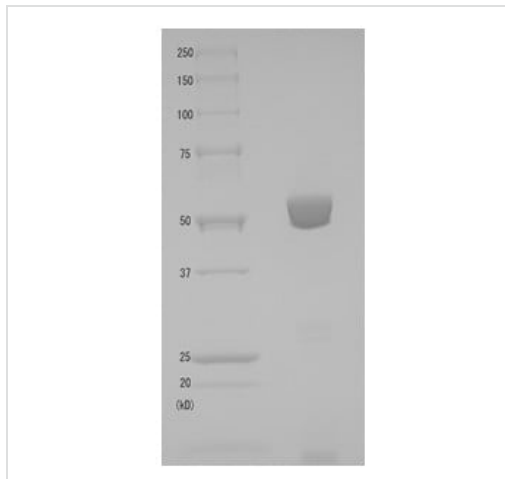
Relevance

Corynebacterium diphtheriae is a gram-positive, nonmotile bacteria found in soil and animal feces. *C. diphtheriae* infect the epithelial cells of the upper respiratory tract from where they produce and secrete a potent toxin. This toxin is absorbed and disseminated through lymph channels and blood to the susceptible tissues of the body.

Cellular localization

Secreted

Images



SDS-PAGE - Native Diphtheria Toxin (mutated G52E) protein (ab188505)

SDS-PAGE analysis of ab188505.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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