CREATIVE BIOMART®
Microbe

Native Diphtheria Toxin CRM197, Mutant [Glu52]

SPECIFICATION

Cat.No.	CRM197-190
Species	Corynebacterium diphtheriae
Product Name	Native Diphtheria Toxin CRM197, Mutant [Glu52]
Product Overview	CRM197 was expressed in Corynebacterium diphtheriae, and purified by state-of-art protein purification method such as centrifugation, amonium sulfate precipitation and chromatography, then lyophilized after addition of sucrose. Moisture: <3% by Karl-Fisher
Description	The Glu52 diptheria toxin, also known as CRM197 (Cross-reactive materials 197), is a nontoxic mutant of diphtheria toxin, has a mutation in fragment A (a glycine to glutamic acid substitution at position 52) that results in the complete loss of enzymatic activity.
Source	Corynebacterium diphtheriae
Form	Lyophilized powder (liquid also could be provided)
Molecular Mass	~58 kDa
Sterility	Inoculation/membrane filtration
Endotoxin	<10 EU/μg of protein by LAL method.
Purity	> 90% by SDS-PAGE and HPLC
Storage	Store at -20 centigrade.
Concentration	1~20mg/ml(aq) by BCA or Lowry
Reconstitution	Before lyophilization, CRM197(aq) was about 5mg/ml in sterile water with 5% sucrose. Vials containing appoximately 5mL of CRM197(aq) were lyophilized. The lyophilized powder can be reconstituted with water or sodium phosphate buffer. We could provide liquid or lyophilized powder.
Figure 1	CRM197-190, 1.jpg
Figure Note 1	Fig 1 A. Purity analysis of CRM197 by SDS PAGE (10%); B. Identity test of CRM197 by mass spectrometry, Mascot score histogram(top), sequence coverage (bottom); C.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com
Fax: 1-631-938-8127
Address: 45-1 Ramsey Road, Shirley, NY 11967, USA

Native Diphtheria Toxin CRM197, Mutant [Glu52]

Identity test of CRM197 by western blotting; D. Purity analysis of CRM197 by HPLC.

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com

Fax: 1-631-938-8127

Address: 45-1 Ramsey Road, Shirley, NY 11967, USA