

# Recombinant Diphtheria Toxin Mutant CRM197, Low Endotoxin

Cat. No. COR-126 Lot. No. (See product label)

## SPECIFICATION

**Product Overview** Low Endotoxin Recombinant Diphtheria Toxin Mutant CRM197 was expressed in E. coli.

**Source** E.coli

**ProteinLength** 535 aa

**Form** Lyophilized from a 0.2 um filtered concentrated solution in 20mM PB, 0.025% Tween-80, pH7.4.

**Molecular Mass** Approximately 58.4kDa, a single non-glycosylated polypeptide chain containing 535 amino acids.

**AASequence**

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GADDVVDSSKSFVMENFSSYHGTKPGYVDSIQKGIQPKSGTQGNYYDDWKEFYS
TDNKYDAAGYSVDNENPLSGKAGGVVKVYTPGLTKVLALKVDNAETIKKELGLSLTE
PLMEQVGTEEFIKRFGDGASRVVLSLPAEGSSSVEYINNWEQAKALSVELEINFET
RGKRGQDAMYEYMAQACAGNRVRRSVGSSLSCLNDWDVIRDKTKTKIESLKEHGP
IKNKMSESPNKTVSEEKAKQYLEEFHQTALEHPELSELKTVTGTNPVFAGANYAAWA
VNVAQVIDSETADNLEKTTAALSILPGIGSVMGIADGAVHHNTEEIVAQSIALSSLMVA
QAIPLVGELVDIGFAAYNFVESIINLFQVVHNSYNRPAYSPGHKTQPFLHDGYAVSW
NTVEDSIIRTGFQGESGHDIKITAENTPLPIAGVLLPTIPGKLDVNKSKTHISVNGRKIR
MRCRAIDGDVTFCRPKSPVYVGNGVHANLHVAFHRSSSEKIHSNEISSDSIGVLGYQ
KTV DHTKVNSKLSLFF EIKS
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<b>Endotoxin</b>	Less than 0.01EU/ug of rCRM197 as determined by LAL method
<b>Purity</b>	>96% by SDS-PAGE or HPLC
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied.
<b>Reconstitution</b>	This vial must be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in a sterile aqueous buffer to an appropriate concentration. Stock solutions should be apportioned into working aliquots and stored at $\leq -20^{\circ}\text{C}$ . Further dilutions should be made in appropriate buffered solutions.

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