

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	GADDVVDSSKSFVMENFSSYHGTPGYVDSIQKGIQKPKSGTQGNYYDDWKEFYS TDNKYDAAGYSVDNENPLSGKAGGVVKVTPGLTKVLALKVDNAETIKKELGLSLTE PLMEQVGTEEFIKRFGDGASRVVLSLPFAEGSSSVEYINNWEQAKALSVELEINFET RGKRGQDAMYEYMAQACAGNRVRRSVGSSSLSCINLDWDVIRDKTKTKIESLKEHGP IKNKMSSEPNKTVSEEKAKQYLEEFHQTALEHPELSELKTVTGTNPVFAGANYAAWA VNVAQVIDSETADNLEKTTAALSILPGIGSVMGIADGAVHHNTEEIVAQSIALSSLMVA QAIPLVGELVDIGFAAYNFVESIINLFQVVHNSYNRPAYSPGHKTQPFLHDGYAVSW NTVEDSIIRTGFQGESGHDIKITAENTPLPIAGVLLPTIPGKLDVNVKSKTHISVNGRKIR MRCRAIDGDVTFCRPKSPVYVGNGVHANLHVAFHRSSEKIHSNEISSDSIGVLGYQ KTVDHTKVNSKLSLFFEIKS

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Endotoxin	Less than 0.01EU/ug of rCRM197 as determined by LAL method
Purity	>96% by SDS-PAGE or HPLC
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied.
Reconstitution	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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