Recombinant E. coli LT-IIa, His-tagged

Cat. No. LT-910E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Type II heat-labile enterotoxin, LT-IIa, from Escherichia coli was produced recombinantly in E. coli and purified to homogeneity using a combination of nickel affinity and gel filtration chromatography. Protein has been His-tagged at the COOH ends of each of the five B subunits.
Species	E.coli
Source	E.coli
Description	LT-IIa is a type II heat-labile enterotoxin produced by certain strains of Escherichia coli. The enterotoxin binds to GD1b, GD1a, GM1, and to several other gangliosides on the cell surface. The molecule induces high levels of cAMP in the cell upon intoxication. The molecule is also a very strong mucosal and systemic adjuvant when administered by peritoneal, intranasal, or intradermal routes. Single point substitution mutants of LT-IIa are available from Dr. T.D. Connell, upon request, that have altered ganglioside-binding and toxic activities.
Form	Powder
Molecular Mass	82kDa, (A subunit + five B subunits)
Purity	> 95%
Storage	Store at -20 centigrade (long term). Store at +4 centigrade when dissolved in aqueous solution (pH 7.0 to pH 7.4).

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Concentration	5mg/ml
Storage Buffer	Water (pH 7.0 to 7.4)

GENE INFORMATION

Gene Name	Heat-Labile Enterotoxin LT-IIa
Official Symbol	LT
Synonyms	Type II heat-labile enterotoxin; Heat-Labile Enterotoxin; LT toxin; LT-Iia

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