

Recombinant Shiga Like Toxin ECs1206 protein, His-tagged

Cat. No. ECs1206-266S Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Shiga Like Toxin-2 Subunit B from E.Coli O157:H7 produced in E.coli having an Mw of 22kDa. The Shiga Like Toxin 2 protein is fused to a 6xHis tag at its N-terminus and purified by proprietary chromatographic technique.
Species	Shiga Like Toxin
Source	E.coli
Description	Shiga-like toxin (verotoxin) is a toxin produced by some strains of E. coli Shiga-like toxin is named for its similarity to the AB5-type Shiga toxin produced by the bacteria Shigella dysenteriae. There are two known types-SLT1 and SLT2. The Shiga-like toxin is linked with hemolytic-uremic syndrome. Shiga-like toxin requires highly specific receptors on the cells' surface in order to attach and enter the cell. Species such as cattle, swine, and deer which do not carry these receptors may harbor toxigenic bacteria without any ill effect, dropping them in their feces, from where they may be distributed to humans. Shiga Like Toxin-2 Subunit B has nontoxic action, it is the functional region which binds to the receptor. Upon binding to the host cell receptor, the Shiga Like Toxin-2 Subunit B forms a pentamer. The Shiga Like Toxin-2 Subunit B can be useful in vaccine study, antibody test and other functional research.
Form	Shiga Like Toxin 2 protein solution contains PBS, 50mM arginine and 0.05% sodium azide.
Molecular Mass	22kDa

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Purity	Protein is >95% pure as determined by 12% PAGE (coomassie staining).
Usage	The products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.
Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Shipping	Ice Packs
GENE INFORMATION	
Gene Name	ECs1206 Shiga toxin 2 subunit B [Escherichia coli O157:H7 str. Sakai]
Official Symbol	ECs1206
Synonyms	ECs1206; Shiga toxin 2 subunit B
Gene ID	912579
Protein Refseq	NP_309233.1
UniProt ID	A7UQX3

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