9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-5363: Recombinant Shiga Like Toxin-2 Subunit B

Description

Source : Escherichia Coli. 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. Shiga-like toxin (verotoxin) is a toxin produced by some strains of Escherichia 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.

Product Info

Amount :	0.5 mg
Purification :	Protein is >95% pure as determined by 12% PAGE (coomassie staining).
Content :	Shiga Like Toxin 2 protein solution contains PBS, 50mM arginine and 0.05% sodium azide.
Storage condition :	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 it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.