

Vibrio Cholerae Toxin B Recombinant Protein | VC1456 recombinant protein

Recombinant Vibrio Cholerae Toxin B Protein

CATALOG #
AAA174714

HOST
E Coli

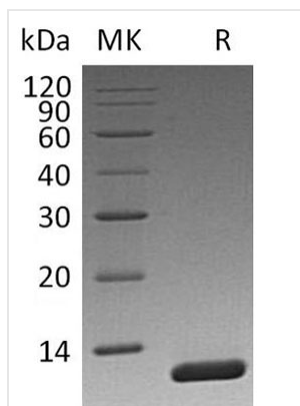
PRODUCT SYNONYMS

Vibrio Cholerae Toxin B; Recombinant Vibrio Cholerae Toxin B Protein; Cholera enterotoxin subunit B; Cholera enterotoxin B chain; Cholera enterotoxin gamma chain; Choleragenoid; ctxB; toxB; VC1456 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by reducing SDS-PAGE.
Form/Format	Lyophilized from a 0.2 um filtered solution of 50mM Tris-HCl, 200mM NaCl, pH8.0.
Sequence Length	124
Species	Vibrio Cholerae
Sequence	Thr22-Asn124
Endotoxin	< 1.0 EU per ug as determined by the LAL method.
Reconstitution	We recommend that the vial be centrifuged to opening to bring the contents to the bottom. Do not mix by vortex. It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 mg/mL. Concentration is measured by UV-Vis.
Preparation and Storage	Lyophilized protein should be stored at < -20°C. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for VC1456 recombinant protein

Background: Cholera toxin is protein complex secreted by the bacterium *Vibrio cholerae*. It is responsible for the massive, watery diarrhea characteristic of cholera infection. Cholera enterotoxin subunit B (CTXB) pentameric ring directs the A subunit to its target by binding to the GM1 gangliosides present on the surface of the intestinal epithelial cells. It can bind five GM1 gangliosides. It has no toxic activity by itself.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15641467
NCBI GeneID	2613962
NCBI Accession #	NP_231099.1
NCBI GenBank Nucleotide #	NP_231099.1
UniProt Accession #	P01556
Molecular Weight	Mol_Mass: 11.8 kDa AP_Mol_Mass: 11 kDa
NCBI Official Full Name	cholera enterotoxin subunit B
NCBI Official Symbol	VC1456
NCBI Protein Information	cholera enterotoxin subunit B
UniProt Protein Name	Cholera enterotoxin subunit B
UniProt Gene Name	ctxB
UniProt Synonym Gene Names	toxB
UniProt Entry Name	CHTB_VIBCH

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ctxb-recombinant-protein-e-coli/174714>