

StxA2 Protein, Enterobacteria phage 933W, Recombinant (E189K, His & Myc)

General Information

Synonyms:	stx2A;Verotoxin 2 subunit A;stxA2;SLT-IIa;Verocytotoxin 2 subunit A;rRNA N-glycosidase 2; SLT-2 A subunit;SLT-2a;Shiga-like toxin 2 subunit A
Protein Construction:	23-319 aa (E189K)
Species:	Enterobacteria phage 933W
Expression Host:	E. coli
Accession:	P09385
Molecular Weight:	40.6 kDa (predicted)
AA Sequence:	REFTIDFSTQQSYVSSLNISRTEISTPLEHISQGTTSVSVINHTPPGSYFAVDIRGLDVYQARFDHLRLIIEQNNLY VAGFVNTATNTFYRFSDFTHISVPGVTTVSMTTDSSYTTLQRVAALERSGMQISRHSLVSSYLALMEFSGNTMT RDASRAVLRFTVTAKALRFRQIQREFRQALSETAPVYTMTPGDVDLTLNWGRISNVLPEYRGEDGVRVGRIS FNNISAILGTVAVILNCHHQGARSVRVNEESQPECQITGDRPVIKINNTLWESNTAAFLNRKSQFLYTTGK

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

A DRUG SCREENING EXPERT

The A subunit is responsible for inhibiting protein synthesis through the catalytic inactivation of 60S ribosomal subunits. After endocytosis, the A subunit is cleaved by furin in two fragments, A1 and A2: A1 is the catalytically active fragment, and A2 is essential for holotoxin assembly with the B subunits.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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