

Exfoliative toxin A Protein, *S. aureus* (His)

Cat. No.:	HY-P71484
Synonyms:	etaExfoliative toxin A; EC 3.4.21.-; Epidermolytic toxin A
Species:	<i>Staphylococcus aureus</i>
Source:	<i>E. coli</i>
Accession:	P09331 (E39-E280)
Gene ID:	/
Molecular Weight:	Approximately 30.9 kDa

PROPERTIES

AA Sequence	<pre> E V S A E E I K K H E E K W N K Y Y G V N A F N L P K E L F S K V D E K D R Q K Y P Y N T I G N V F V K G Q T S A T G V L I G K N T V L T N R H I A K F A N G D P S K V S F R P S I N T D D N G N T E T P Y G E Y E V K E I L Q E P F G A G V D L A L I R L K P D Q N G V S L G D K I S P A K I G T S N D L K D G D K L E L I G Y P F D H K V N Q M H R S E I E L T T L S R G L R Y Y G F T V P G N S G S G I F N S N G E L V G I H S S K V S H L D R E H Q I N Y G V G I G N Y V K R I I N E K N E </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The Exfoliative toxin A protein possesses serine protease-like properties and has an affinity for binding to the skin protein profilaggrin. It exhibits cleavage activity specifically after acidic residues. Notably, exfoliative toxins, including Exfoliative toxin A, are implicated in causing impetigous diseases commonly known as staphylococcal scalded skin syndrome (SSSS).
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Caution: Product has not been fully validated for medical applications. For research use only.

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