

Enterotoxin type G Protein, *S. aureus* (His-SUMO)

Cat. No.:	HY-P71486
Synonyms:	entG; seg; SA1642Enterotoxin type G; SEG
Species:	Staphylococcus aureus
Source:	E. coli
Accession:	P0A0L7 (26Q-258H)
Gene ID:	/
Molecular Weight:	Approximately 43.0 kDa

PROPERTIES

AA Sequence	<pre> Q P D P K L D E L N K V S D Y K N N K G T M G N V M N L Y T S P P V E G R G V I N S R Q F L S H D L I F P I E Y K S Y N E V K T E L E N T E L A N N Y K D K K V D I F G V P Y F Y T C I I P K S E P D I N Q N F G G C C M Y G G L T F N S S E N E R D K L I T V Q V T I D N R Q S L G F T I T T N K N M V T I Q E L D Y K A R H W L T K E K K L Y E F D G S A F E S G Y I K F T E K N N T S F W F D L F P K K E L V P F V P Y K F L N I Y G D N K V V D S K S I K M E V F L N T H </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.
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	Enterotoxin type G, a member of staphylococcal enterotoxins, is implicated in the development of staphylococcal food poisoning syndrome. This syndrome is characterized by severe symptoms, including high fever, hypotension, diarrhea, shock, and, in some cases, fatalities. The enterotoxin's ability to induce such a range of adverse effects underscores its significance in the context of foodborne illnesses and highlights the severity of its impact on affected individuals.
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Caution: Product has not been fully validated for medical applications. For research use only.

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