

Exfoliative toxin A Recombinant Protein | eta recombinant protein

Recombinant Staphylococcus aureus Exfoliative toxin A (eta)

CATALOG # AAA18686	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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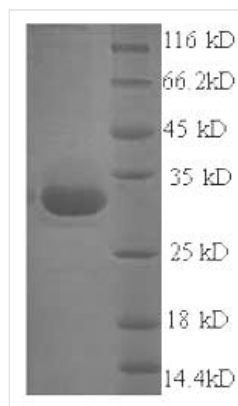
PRODUCT SYNONYMS

Exfoliative toxin A; Recombinant Staphylococcus aureus Exfoliative toxin A (eta); Epidermolytic toxin A; eta recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	39-280aa; Full Length of Mature Protein
Sequence	EVSAEEIKKH EEKWNKYYGV NAFNLPKELF SKVDEKDRQK YPYNTIGNVF VKGQTSATGV LIGKNTVLTN RHIAKFANGD PSKVSFRPSI NTDDNGNTET PYGEYEVKEI LQEPFGAGVD LALIRLKPQ NGVSLGDKIS PAKIGTSNDL KDGDKLELIG YPFDHKVNQM HRSEIELTTL SRGLRYYGFT VPGNSGSGIF NSNGELVGIH SSKVSHLDRE HQINYGVGIG NYVKRIINEK NE
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for eta recombinant protein	Has serine protease-like properties and binds to the skin protein profilaggrin. Cleaves substrates after acidic residues. Exfoliative toxins cause impetigous diseases commonly referred as staphylococcal scalded skin syndrome (SSSS).
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References	Sequence determination and comparison of the exfoliative toxin A and toxin B genes from <i>Staphylococcus aureus</i>. Lee C.Y., Schmidt J.J., Johnson-Winegar A.D., Spero L., landolo J.J.J. <i>Bacteriol.</i> 169:3904-3909(1987) Nucleotide sequence of the epidermolytic toxin A gene of <i>Staphylococcus aureus</i>. O'Toole P.W., Foster T.J.J. <i>Bacteriol.</i> 169:3910-3915(1987) DNA sequencing of the eta gene coding for staphylococcal exfoliative toxin serotype A. Sakurai S., Suzuki H., Kondo I.J. <i>Gen. Microbiol.</i> 134:711-717(1988) The reactive serine residue of epidermolytic toxin A. Bailey C.J., Smith T.P. <i>Biochem. J.</i> 269:535-537(1990) The epidermolytic toxins are serine proteases. Dancer S.J., Garrat R., Saldanha J., Jhoti H., Evans R. <i>FEBS Lett.</i> 268:129-132(1990) The role of the serine protease active site in the mode of action of epidermolytic toxin of <i>Staphylococcus aureus</i>. Redpath M.B., Foster T.J., Bailey C.J. <i>FEMS Microbiol. Lett.</i> 65:151-155(1991) The structure of the superantigen exfoliative toxin A suggests a novel regulation as a serine protease. Vath G.M., Earhart C.A., Rago J.V., Kim M.H., Bohach G.A., Schlievert P.M., Ohlendorf D.H. <i>Biochemistry</i> 36:1559-1566(1997) The structure of <i>Staphylococcus aureus</i> epidermolytic toxin A, an atypic serine protease, at 1.7-Å resolution. Cavarelli J., Prevost G., Bourguet W., Moulinier L., Chevrier B., Delagoutte B., Bilwes A., Mourey L., Rifai S., Piemont Y., Moras D. <i>Structure</i> 5:813-824(1997)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	446988525
NCBI Accession #	WP_001065781.1
NCBI GenBank Nucleotide #	WP_001065781.1
UniProt Accession #	P09331
Molecular Weight	30.9 kDa
NCBI Official Full Name	exfoliative toxin A
UniProt Protein Name	Exfoliative toxin A
UniProt Gene Name	eta
UniProt Entry Name	ETA_STAAU

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.