

Zona occludens toxin Recombinant Protein | zot recombinant protein

Recombinant Vibrio cholerae serotype O1 Zona occludens toxin (zot)

CATALOG # AAA18587	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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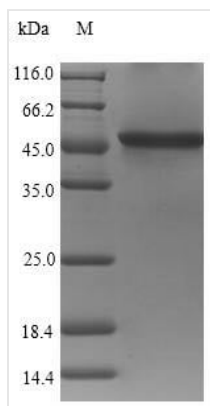
PRODUCT SYNONYMS

Zona occludens toxin; Recombinant Vibrio cholerae serotype O1 Zona occludens toxin (zot); Zonular occludens toxin; Zot; zot 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	1-399aa; Full Length Protein
Sequence	MSIFIHHGAP GSYKTSGALW LRLPAIKSG RHIITNVRGL NLERMAKYLK MDVSDISIEF IDTDHPDGRL TMARFWHWR KDAFLFIDEC GRIWPPRLTV TNLKALDTPP DLVAEDRPES FEVAFDMHRH HGWDICLTTP NIAKVHNMIR EAAEIGYRHF NRATVGLGAK FTLTTHDAAN SGQMDSHALT RQVKKIPSPI FKMYASTTTG KARDTMAGTA LWKDRKILFL FGMVFLMSY SFYGLHDNPI FTGGNDATIE SEQSEPQSKA TVGNAVGSKA VAPASFGFCI GRLCVQDGFV TVGDERYRLV DNLDIPYRGL WATGHHIYKD TLTVFFETES GSVPTELFAS SYRYKVLPLP DFNHFVVFDT FAAQALWVEV KRGLPIKTEN DKKGLNSIF
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 zot recombinant protein	Increases the permeability of the small intestine mucosa by affecting the structure of intercellular tight junctions (zonula occludens).
Product Categories/Family for zot recombinant protein	Microbiology

References	Cloning of a gene (zot) encoding a new toxin produced by <i>Vibrio cholerae</i> . Baudry B., Fasano A., Ketley J., Kaper J.B. Infect. Immun. 60:428-434(1992) Cloning and nucleotide sequence analysis of the virulence gene cassette from <i>Vibrio cholerae</i> KNIH002 isolated in Korea. Shin H.J., Park Y.C., Kim Y.C. Misainmurhag Hoiji 35:205-210(1999) Cloning and Expression of zot gene from <i>Vibrio cholerae</i> . Zhi-Yong H., Wei-Jie Z., Xiang-Fu W. Kan B., Liu Y.Q., Qi G.M., Gao S.Y. DNA sequence of both chromosomes of the cholera pathogen <i>Vibrio cholerae</i> . Heidelberg J.F., Eisen J.A., Nelson W.C., Clayton R.A., Gwinn M.L., Dodson R.J., Haft D.H., Hickey E.K., Peterson J.D., Umayam L.A., Gill S.R., Nelson K.E., Read T.D., Tettelin H., Richardson D.L., Ermolaeva M.D., Vamathevan J.J., Bass S., Qin H., Dragoi I., Sellers P., McDonald L.A., Utterback T.R., Fleischmann R.D., Nierman W.C., White O., Salzberg S.L., Smith H.O., Colwell R.R., Mekalanos J.J., Venter J.C., Fraser C.M. Nature 406:477-483(2000) <i>Vibrio cholerae</i> produces a second enterotoxin, which affects intestinal tight junctions. Fasano A., Baudry B., Pumphlin D.W., Wasserman S.S., Tall B.D., Ketley J.M., Kaper J.B. Proc. Natl. Acad. Sci. U.S.A. 88:5242-5246(1991)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	15641469
NCBI GeneID	2613964
NCBI Accession #	NP_231101.1
NCBI GenBank Nucleotide #	NC_002505.1
UniProt Accession #	P38442; Q9L7Q6; Q9R3V6
Molecular Weight	46.9 kDa
NCBI Official Full Name	zona occludens toxin
NCBI Official Symbol	VC1458
NCBI Protein Information	zona occludens toxin
UniProt Protein Name	Zona occludens toxin
UniProt Gene Name	zot
UniProt Synonym Gene Names	Zot
UniProt Entry Name	ZOT_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://www.aaabiotech.com/zot-recombinant-protein-e-coli/18587>