

Recombinant Vibrio cholerae serotype O1 (strain ATCC 39315 / El Tor Inaba N16961)Zona occludens toxin

Catalog No: #AP72922

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Package Size: #AP72922-1 20ug #AP72922-2 100ug #AP72922-3 1mg

Description

Product Name	Recombinant Vibrio cholerae serotype O1 (strain ATCC 39315 / El Tor Inaba N16961)Zona occludens toxin
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-399aaSequence Info:Full Length
Other Names	Zonular occludens toxin ;Zot
Accession No.	P38442
Uniprot	P38442
GeneID	2613964;
Calculated MW	46.9 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MSIFIHHGAPGSYKTS GALWLRLLPAIKSGRHIITNVRGLNLERMAKYLKMDVSDISIEFIDTDHPDGR LTMARF WHWARKDAFLFIDE CGRIWPPRLTVTNLKALDTPPDLVAEDRPESFEVAFDMHRHHGW DICLTPNIAKVHNM IREAAEIGYRHFNRATVGLGAKFTLTHDAANSQMDSHALTRQVKKIPSPIFKMYASTTTGKARDT MAGTAL WKDRKILFLFGMVFLMFSYFYGLHDNPIFTGGNDATIESEQSEPQSKATVGN AVGSKAVAPASFGFCIGRLC VQDGFVTVGDERYRLVDNLDIPYRGLWATGHHIYKDTLTVFFETESG SVPTELFASSYRYKVLPLPDFNHFVVF DTFAAQALWVEVKRGLPIKTENDKKGLNSIF
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Increases the permeability of the small intestine mucosa by affecting the structure of intercellular tight junctions (zonula occludens).

References

Cloning and Expression of zot gene from Vibrio cholerae.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 Vibrio cholerae.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)Research Topic:Others

Note: This product is for in vitro research use only