Recombinant Bacillus subtilis Expansin-yoaJ

Catalog No: #AP73021

Package Size: #AP73021-1 20ug #AP73021-2 100ug #AP73021-3 1mg

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Recombinant Bacillus subtilis Expansin-yoaJ
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:26-232aaSequence Info:Full Length
Other Names	EXLX1
Accession No.	O34918
Uniprot	O34918
GeneID	940108;
Calculated MW	24.9 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	AYDDLHEGYATYTGSGYSGGAFLLDPIPSDMEITAINPADLNYGGVKAALAGSYLEVEGPKGKTTVYVTDLYPE GARGALDLSPNAFRKIGNMKDGKINIKWRVVKAPITGNFTYRIKEGSSRWWAAIQVRNHKYPVMKMEYEKDG KWINMEKMDYNHFVSTNLGTGSLKVRMTDIRGKVVKDTIPKLPESGTSKAYTVPGHVQFPE
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

May promote colonization of plant roots. May cause loosening and extension of plant cell walls by disrupting non-covalent bonding between cellulose microfibrils and matrix glucans. Has very low expansin activity (in vitro). No enzymatic activity has been found. Binds to peptidoglycan and to plant cell walls.

References

Sequence analysis of the Bacillus subtilis chromosome region between the terC and odhAB loci cloned in a yeast artificial chromosome.Lapidus A., Galleron N., Sorokin A., Ehrlich S.D.The complete genome sequence of the Gram-positive bacterium Bacillus subtilis.Kunst F., Ogasawara N., Moszer I., Albertini A.M., Alloni G., Azevedo V., Bertero M.G., Bessieres P., Bolotin A., Borchert S., Borriss R., Boursier L., Brans A., Braun M., Brignell S.C., Bron S., Brouillet S., Bruschi C.V. , Caldwell B., Capuano V., Carter N.M., Choi S.-K., Codani J.-J., Connerton I.F., Cummings N.J., Daniel R.A., Denizot F., Devine K.M., Duesterhoeft A., Ehrlich S.D., Emmerson P.T., Entian K.-D., Errington J., Fabret C., Ferrari E., Foulger D., Fritz C., Fujita M., Fujita Y., Fuma S., Galizzi A., Galleron N., Ghim S.-Y., Glaser P., Goffeau A., Golightly E.J., Grandi G., Guiseppi G., Guy B.J., Haga K., Haiech J., Harwood C.R., Henaut A., Hilbert H., Holsappel S., Hosono S., Hullo M.-F., Itaya M., Jones L.-M., Joris B., Karamata D., Kasahara Y., Klaerr-Blanchard M., Klein C., Kobayashi Y., Koetter P., Koningstein G., Krogh S., Kumano M., Kurita K., Lapidus A., Lardinois S., Lauber J., Lazarevic V., Lee S.-M., Levine A., Liu H., Masuda S., Mauel C., Medigue C., Medina N., Mellado R.P., Mizuno M., Moestl D., Nakai S., Noback M., Noone D., O'Reilly M., Ogawa K., Ogiwara A., Oudega B., Park S.-H., Parro V., Pohl T.M., Portetelle D., Porwollik S., Prescott A.M., Presecan E., Pujic P., Purnelle B., Rapoport G., Rey M., Reynolds S., Rieger M., Rivolta C., Rocha E., Roche B., Rose M., Sadaie Y., Sato T., Scanlan E., Schleich

S., Schroeter R., Scoffone F., Sekiguchi J., Sekowska A., Seror S.J., Serror P., Shin B.-S., Soldo B., Sorokin A., Tacconi E., Takagi T., Takahashi H., Takemaru K., Takeuchi M., Tamakoshi A., Tanaka T., Terpstra P., Tognoni A., Tosato V., Uchiyama S., Vandenbol M., Vannier F., Vassarotti A., Viari A., Wambutt R., Wedler E., Wedler H., Weitzenegger T., Winters P., Wipat A., Yamamoto H., Yamane K., Yasumoto K., Yata K., Yoshida K., Yoshikawa H.-F., Zumstein E., Yoshikawa H., Danchin A.Nature 390:249-256(1997)Research Topic:Others

Note: This product is for in vitro research use only