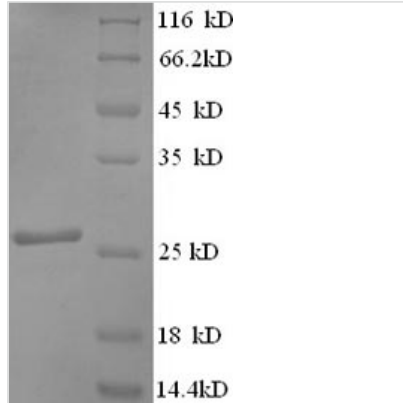




Recombinant *Bacillus subtilis* Expansin-*yoaJ* (*yoaJ*)

Product Code	CSB-EP522026BRJ
Relevance	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.
Abbreviation	Recombinant <i>Bacillus subtilis</i> <i>yoaJ</i> protein
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.
Uniprot No.	O34918
Alias	EXLX1
Product Type	Recombinant Protein
Immunogen Species	<i>Bacillus subtilis</i> (strain 168)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	AYDDLHEGYATYTGSGYSGGAFLLDPIPSDMEITAINPADLNYGGVKAALAGSY LEVEGPKGKTTVYVTDLYPEGARGALDLSPNAFRKIGNMKDGKINIKWRVVKA PITGNFTYRIKEGSSRWWAAIQVRNHKYPVMKMEYEKDGKWINMEKMDYNHF VSTNLGTGSLKVRMTDIRGKVKDTIPKLPESGTSKAYTVPGHVQFPE
Research Area	Others
Source	<i>E.coli</i>
Target Names	<i>yoaJ</i>
Expression Region	26-232aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	38.9kDa
Protein Length	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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.