

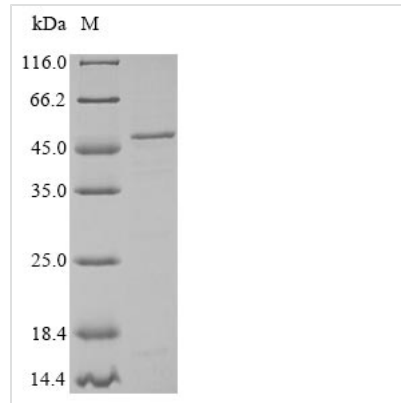


Recombinant Bacillus subtilis Signal transduction histidine-protein kinase/phosphatase DegS (degS)

Product Code	CSB-EP320275BRJ
Relevance	Member of the two-component regulatory system DegS/DegU, which plays an important role in the transition growth phase. Involved in the control of expression of different cellular functions, including production of degradative enzymes such as the neutral and alkaline proteases, flagellum formation and biofilm formation. Acts as both a protein kinase that undergoes autophosphorylation and subsequently transfers the phosphate to DegU, and a protein phosphatase that dephosphorylates phospho-DegU.
Abbreviation	Recombinant Bacillus subtilis degS 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.	P13799
Alias	sacU
Product Type	Recombinant Protein
Immunogen Species	Bacillus subtilis (strain 168)
Purity	≥ 85% as determined by SDS-PAGE.
Sequence	MNKTkMDSKVLDSILMKMLKTVdGSKDEVFQIGEQSRQQYEQlVEELKQIKQQ VYEVIElGDKLEVQTRHARNRLSEVSRNFHRFSEEEIRNAYEKAKHLQVELTMI QQREKQLRERRDDLERRLLGLQEIIERSESLVSQITVVLNLYLNQDLREVGLLLA DAQAKQDFGLRIIEAQEEERKRVsREIHdGPAQMLANVMmRSELIERIFRDRG AEDGFQEIKNLRQNVRNALYEVRRIIYDLRPMALDDLGLIPTLRKYLYTTEEYNG KVKIHFQcIGETEDQRLAPQFEVALFRLAQEAVSNALKHSESEEEITVKVEITKDF VILMIKdNGKGFdlKEAKEKKNKsFGLLGmKERVdLLEGTMTIDSKIGLGTfIMI KVPLSL
Research Area	others
Source	E.coli
Target Names	degS
Protein Names	Recommended name: Signal transduction histidine-protein kinase/phosphatase DegS EC= 2.7.13.3 EC= 3.1.3.-
Expression Region	1-385aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	49.0kDa

**Protein Length**

Full Length

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.