

Recombinant *Geobacillus Stearothermophilus* EGSA Protein (1-404 aa), His-tagged

Cat. No. EGSA-2085G **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant <i>Geobacillus Stearothermophilus</i> (<i>Bacillus stearothermophilus</i>) EGSA Protein (1-404 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length.
Species	<i>Geobacillus Stearothermophilus</i>
Source	Yeast
ProteinLength	1-404 aa
Description	Catalyzes the NAD(P)H-dependent reduction of dihydroxyacetonephosphate (DHAP or glycerone phosphate) to glycerol 1-phosphate (G1P). The G1P thus generated is probably used for the synthesis of phosphoglycerolipids in Gram-positive bacterial species.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	47.4 kDa
AA Sequence	MNQTL EEV VSLARQC GCGHRHYDIP IEQM VVGREAFARLVAYLRHKRYERVAIVAD DHTFAAVERS LCDQLENGSIRYTVCLVQPDENG DVIADERSIVQV LLET PDDVDVLIA VGAGTIHDITRFSSYKMRIPFISVPTAPSV DGF TSMGAPLIIRGVKKTIQAQAPIAVFAH TGVLCQSPKEMIAAGFGDMVAKY TSLADWQFAHWMAD EPYCPFVHQLTEQSLQTC VDHIDDIAAGGEQGIRVLMDALLQSGIAMLLMGQSY SASGA EHHL SHYWEMEFLRQ

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KKRQVLHGAKVGVSTPIIIIEHYQRVFWPLLNELEKRPKSMDEATWERLKANTASIREL
LESLPSPERIRTMLAKVGGAIAPEQLGIDPQLVERSLREAHRLRLNRFTMLYFLNELIF
VE

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

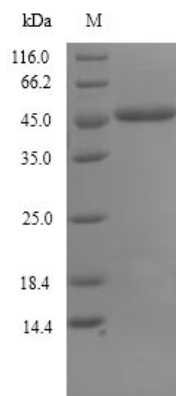
Synonyms egsA;

UniProt ID [B3EYN8](#)

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

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