

Synthelis®

Transporter

Protein Catalog

EspH - Type III secretion system LEE effector EspH

PL051

Product specification

Acronym: EspH

Origin species : Bacterial

Protein reference : Q7DB74 (UniProtKB)

WP_001302249.1 (GenBank)

Family: Transporter

Expression system: E.coli based CFPS

Format: Proteoliposomes

Protein sequence: Met1 – Leu168

Tag : 6xHis tag (N-ter)

Cleavage site: Factor Xa

Product MW: 21.9 kDa

Application: Drug screening & discovery, antibody development, structural biology

Product description

EspH represses filopodium formation and enhances the formation of pedestals. EspH induces actin polymerization at the bacterial attachment sites during Enteropathogenic.

Recombinant protein sequence

His tag – factor X cleavage site –

**MSLSGAVFKTFLTSEHASWNRFNRRLHIPNEDIVDEIQLKARMQQRHHRVYPEIGDSTIVSFRGKDYAVHFIKDGPKDDYVYKVQR
ITPENGCFSTLFSVFSGGVTKALERKLNHRHITPLSSTWFPRTPLEGILAERGLSSLLRRVQSTERLDNRAIATRASSYVL**



Quality analysis

Purity:

Liposomes are directly incorporated into the Cell-Free reaction, thus, some impurities from the *E.coli* lysate might be present in the proteoliposomes.

A negative control (proteoliposomes without the protein of interest) can be provided (useful for screening, immunization...).

The purity can be improved by protein expression in detergent and relipidation after purification step(s).

Purification procedure: EspH proteoliposomes are purified on a sucrose gradient.

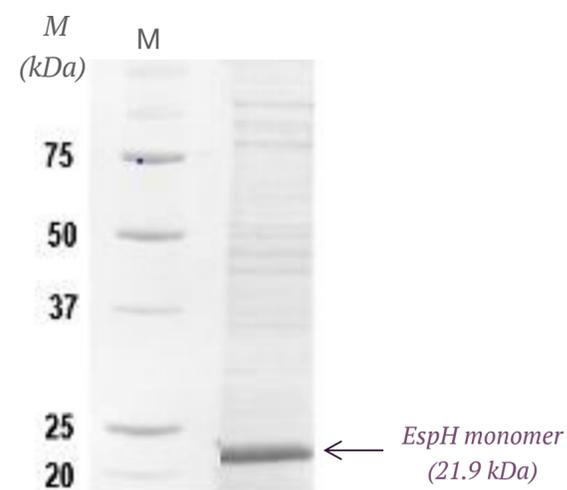


Fig.1: Identification of EspH in the proteoliposomes by Western blot using an anti-6xHis antibody.

Formulation

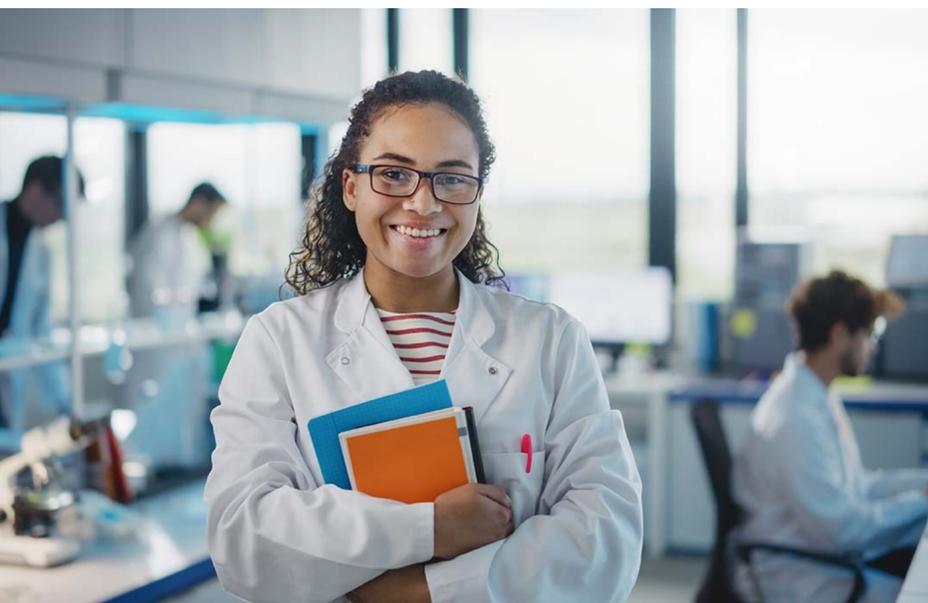
Buffer: Available in Hepes 50mM, pH 7.5 with cryoprotectants. Other buffers or customized formulation can be provided upon request.

Customized Hydrophobic matrix: Customized formulation with specific lipids like PEGylated or biotinylated lipids can be used upon request, as well as targeting molecules.

Storage/Stability: Store at +4°C for up to one week or several months at -80°C. Aliquot for storage. Do not freeze-thaw after aliquoting.

Use restrictions: For life science research use only.

Available sizes: 10 µg, 50 µg, 100 µg, customized quantity on request.



Need a specific amount, a quote or any additional information?
Contact-us



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