

EspH - Cytoskeleton-modulating effector of enterohaemorrhagic and Enteropathogenic Escherichia coli

Product specification

Acronym: EspH	Purity: >60%
Class: Transporter	Activity: To be tested
Origin: Bacterial	Length: Full Length
Molecular weight: 20 kDa	TMD: 6
Application: Screening & Display Technologies	Biological function: Thermogenesis

Product description

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

Protein Source: EspH wild type protein

Fig.1: AA sequence of EspH protein

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10      20      30      40      50
MSLSGAVFKT FLTSEHASWN RFNRRRLHIPN EDIVDEIQLK ARMQQRHHRV
60      70      80      90      100
YPEIGDSTIV SFRGKDYAVH FIKDGPKDDY VYKVQRITPE NGCFSTLFSV
110     120     130     140     150
FSGGVTKALE RKLNERHITP LSSTWFP RTP LEGILAERGL SLLRRVQST
160
ERLDNRAIAT RASSYSVL

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Affinity Tag: Histidine tag fused to the N-terminal end of the protein.

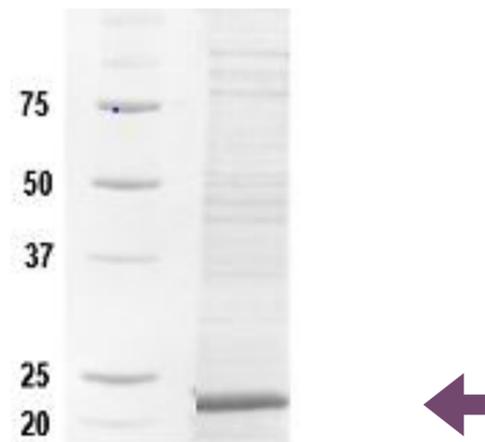
Production conditions: EspH is expressed in a cell-free expression system in the presence of lipid vesicles. 100 µg can be produced and qualified in about 1 week

Quality analysis

Purity: Typically >60% as determined by SDS-Page and Coomassie Blue staining.

Purification procedure: As standard, EspH proteoliposomes are purified on a sucrose gradient. Further purification steps can be added if required.

Fig.2: Proteoliposome EspH after purification (Western blot identification).



Formulation

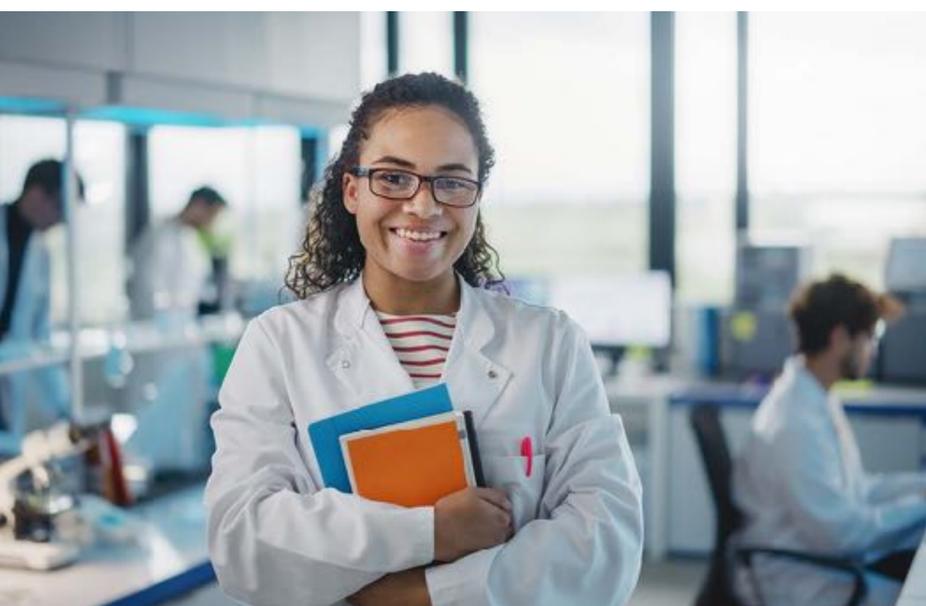
Buffer: Available in Tris 50mM, pH 7.5. Other buffers or customized formulation can be provided upon request.

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: 10µg, 20µg, 100 µg, 200 µg, 500 µg, bulk



Need a specific amount, a quote or any additional information?
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