

Recombinant Salmonella typhi fliC Antigen, His tagged

Cat. No. flag-021S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Some of the antigenic regions of the Salmonella typhi 52 kDa flagellin protein produced by the fliC gene, have been prepared as a recombinant antigen fused to a his-tag in its N-terminus.
Species	Salmonella typhi
Source	E.coli
Description	flagellin is the flagella antigen, d, of Salmonella typhi, which is present as a phase-I antigen, and corresponds to the 52 kDa-flagellin antigen. Salmonella serotypes usually alternated between the production of the antigenic forms of flagella, termed "phase-I" and "phase-2". Some species, including Salmonella typhi are monophasic, with only a phase-I antigen.
Tag	N-His
Molecular Mass	Determined by SDS-PAGE, the protein band is between molecular markers of 35-25 kDa, while relative molecular mass calculated from amino acid sequence is 20,920.96 Da.
Purity	> 95% by observation on SDS-PAGE electrophoresis
Applications	WB, DB, IE, DE, CLIA, LF
Storage	Upon arrival, it should be aliquoted to avoid repeated freezing and thawing cycles and

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stored at -20 to -80 centigrade. In order to defrost the protein, maintain the aliquot at 25 centigrade without shaking to avoid aggregation.

Storage Buffer 50 mM MES pH 6.5, 0.1 M KCl and 0.1% polyoxyethylene (10) tridecyl ether

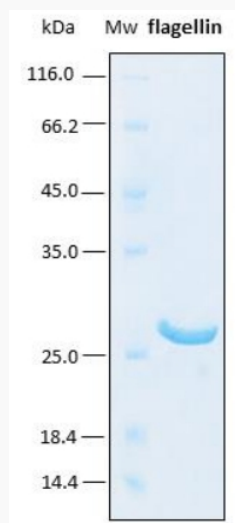
Concentration 1.24 mg/mL

Shipping Protein is shipped with dry ice.

Reference

1. Sukosol T, Sarasombath S, Mongkolsuk S, Songsivilai S, Chaiyaroj S, Pongsunk S, Ekpo P. Molecular cloning and expression of Salmonella typhi flagellin: characterization of 52 kDa specific antigen of S. typhi. Asian Pac J Allergy Immunol 1993; 11: 57-69.
2. Gill SC, von Hippel PH. Calculation of protein extinction coefficients from amino acid sequence data. Anal Biochem. 1989 Nov 1;182(2):319-26.

Purity



SDS-PAGE analysis (15%) of 3 µL of recombinant Flagellin. Purity is > 95% as

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determined by gel electrophoresis.

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