

Recombinant *Salmonella typhimurium* (strain LT2 / SGSC1412 / ATCC 700720) flag protein, His-tagged

Cat. No. flag-0465S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant <i>Salmonella typhimurium</i> (strain LT2 / SGSC1412 / ATCC 700720) flag protein, His-tagged(P06179)(1-495 aa), fused with His tag, was expressed in <i>E. coli</i> .
Species	<i>Salmonella typhimurium</i> (strain LT2 / SGSC1412 / ATCC 700720)
Source	<i>E. coli</i>
ProteinLength	1-495 aa
Form	Lyophilized from a 0.2 µm filtered concentrated solution in 1×PBS, 3 % Trehalose, 0.15 % Tween-20.
Molecular Mass	Approximately 52.7 kDa, a single non-glycosylated polypeptide chain containing 503 amino acids, with Leu, Glu and 6 × His at C-terminus.
AASequence	MAQVINTNSL SLLTQNNLNK SQSALGTAIE RLSSGLRINS AKDDAAGQAI ANRFTANIKG LTQASRNAND GISIAQTTEG ALNEINNNLQ RVRELAVQSA NSTNSQSDLD SIQAEITQRL NEIDRVSGQT QFNGVKVLAQ DNTLTIQVGA NDGETIDIDL KQINSQTLGL DTLNVQQKYK VSDTAATVTG YADTTIALDN STFKASATGL GGTDQKIDGD LKFDDTTGKY YAKVTVTGGT GKDGYYEVS DKTNGEVTLA GGATSPLTGG LPATATEDVK NVQVANADLT EAKAALTAAG VTGTASVVKM SYTDNNGKTI DGGLAVKVGD DYYSATQNKD GSISINTTKY TADDGTSKTA LNKLGADGK TEVVSIGGKT YAASKAEGHN FKAQPDLEA AATTENPLQ KIDAALAQVD TLRSDLGAVQ NRFNSAITNL GNTVNNLTSA

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RSRIEDSDYA TEVSNMSRAQ ILQQAGTSVL AQANQVPQNV LSLLRLEHHH HHH

Endotoxin

Less than 1 EU/g of rFlagellin, His as determined by LAL method.

Purity

≥ 95 % by SDS-PAGE analysis.

Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

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