

## fliC

### Recombinant *Salmonella typhimurium* Strain UK-1 Flagellin His

<b>Catalog No.</b>	CRO108A	<b>Quantity:</b>	20 µg
	CRO108B		100 µg
	CRO108C		1 mg

**Description:** Flagellin arranges itself in a hollow cylinder to create the filament in a bacteria's flagellum. Flagellin is the key substituent of bacterial flagellum, and is found in large quantities on almost all flagellated bacteria.

Recombinant *Salmonella typhimurium* strain ATCC 68169 UK-1 flagellin is a single, non-glycosylated, polypeptide chain containing 203 amino acids and containing a 6x His tag at the C-terminal end.

**Gene ID:** 1253480 (strain LT2)

**Source:** *E. coli*

**Molecular Weight:** 52.7 kDa

**Formulation:** Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.

**Purity:** >95.0% as determined by SDS-PAGE and HPLC analyses.

**Amino Acid Sequence:** MAQVINTNSL SLLTQNNLNK SQSALGTAIE RLSSGLRINS AKDDAAGQAI  
ANRFTANIKG LTQASRNAND GISIAQTTEG ALNEINNNLQ RVRELAVQSA  
NSTNSQSDLD SIQAEITQRL NEIDRVSGQT QFNGVKVLAQ DNTLTIQVGA  
NDGETIDIDL KQINSQTLGL DTLNVQQKYK VSDTAATVTG YADTTIALDN  
STFKASATGL GGTDQKIDGD LKFDDTTGKY YAKVTVTGGT GKDGYYEVSV  
DKTNGEVTLA GGATSPLTGG LPATATEDVK NVQVANADLT EAKAALTAAG  
VTGTASVVKM SYTDNNGKTI DGGLAVKVG DYYSATQNKD GISISINTTKY  
TADDGTSKTA LNKLGADGK TEVVSIGGKT YAASKAEGHN FKAQPDIAEA  
AATTTENPLQ KIDAALAQVD TLRSDLGAVQ NRFNSAITNL GNTVNNLTSA  
RSRIEDSDYA TEVSNMSRAQ ILQQAGTSVL AQANQVPQNV LSLLRLEHHH HHH

**Reconstitution:** **Centrifuge vial prior to opening.** Reconstitute in sterile distilled water to not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

**Storage & Stability:** Lyophilized product is stable at room temperature for up to 3 weeks. On receipt store lyophilized protein at -20°C to -80°C. Reconstituted protein is stable for one week at 4°C. For long term storage, aliquot and store at -20°C to -80°C. **Avoid repeated freeze-thaw cycles.**

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