

Flagellin Active Protein | FliC active protein

Flagellin (FliC)

CATALOG #
AAA14744

PRODUCT SYNONYMS

Flagellin; Flagellin (FliC); FliC active protein

PRODUCT SPECIFICATIONS

Specificity	Binds to human and mouse TLR5 (Toll-like receptor 5).
Purity/Purification	Purified >90% (SDS-PAGE)
Form/Format	Supplied as a lyophilized powder from PBS pH7.2. Reconstitute with 100ul sterile ddH2O.
Concentration	~1 mg/mL (after reconstitution) (varies by lot)
Biological Activity	Activation of TLR5 in human epithelial cell assays based on NF-kappaB luciferase fusions, on expression of IL-8 (CXCL8), CCL20, inducible nitric oxide synthase, beta-defensin 2 and matrilysin (MMP-7). Maturation of dendritic cells in in vitro and in vivo assays. Adjuvant activity on foreign antigens delivered by subcutaneous and intranasal routes in mice.
Endotoxin	<0.1 EU/ug (LAL)
Preparation and Storage	Lyophilized and reconstituted products are stable for 6 months after receipt at -20°C. Reconstitute with sterile ddH2O. Aliquot to avoid repeated freezing and thawing. Store at -20°C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

IMAGES



Hazard Indicator

ADDITIONAL INFORMATION

Related Product Information for FliC active protein	Flagellin is the subunit protein which polymerizes to form the filaments of bacterial flagella. It activates the innate immune system.
Product Categories/Family for FliC active protein	Molecular Biology ; MB-Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	32473113
NCBI GeneID	1790396
NCBI Accession #	NP_866107.1
NCBI GenBank Nucleotide #	NC_005027.1
NCBI Official Full Name	flagellin
NCBI Official Symbol	FliC
NCBI Protein Information	flagellin

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/active-protein/flagellin/14744>