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Product datasheet

Recombinant Flagellin protein ab201366

1 References

Description

Product name	Recombinant Flagellin protein
Purity	> 95 % SDS-PAGE. >95% by HPLC analysis.
Expression system	Escherichia coli
Accession	P06179
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Salmonella enterica
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 DGGLAVKVGD DYYSATQNKD GSISINTTKY TADDGTSKTA LNKLGGADGK TEVVSIGGKT YAASKAEGHN FKAQPDLAEA AATTTENPLQ KIDAALAQVD TLRSDLGAVQ NRFNSAITNL GNTVNNLTSA RSRIEDSDYA TEVSNMSRAQ ILQQAGTSVL AQANQVPQNV LSLLRLEHHH HHH
Predicted molecular weight	53 kDa including tags
Tags	His tag C-Terminus
Additional sequence information	Salmonella typhimurium Flagellin. Single non-glycosylated polypeptide chain containing 503 amino acids, with Leu, Glu and 6 × His at C-terminus.

Specifications

Our **Abpromise guarantee** covers the use of **ab201366** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE HPLC
Form	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C long term. Avoid freeze / thaw cycle. pH: 7.40 Constituent: 100% PBS Lyophilized from a 0.2µm filtered solution.
Reconstitution	Briefly centrifuge the vial 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 to -70°C. Further dilutions should be made in appropriate buffered solutions.

General Info

Relevance	Flagellin (FliC) is a subunit protein that polymerizes (along with other proteins) to form the filaments of bacterial flagella. Assembly of the bacterial flagellum occurs in a precise, temporal order where the basal component (FlgE, FlgK, and FlgL are assembled inside the bacterial membrane, followed by exportation of the filament cap protein FliD, and secretion of about 20,000 flagellin monomers (FliC) through the channel. FliC monomers are polymerized to form the tail filament. FliC monomers can function as pathogen-associated molecular patterns (PAMPs), and can be detected by host cells through surface-localized toll-like receptor 5 (TLR5) and cytosolic Nod-like receptors (NLRs).
Cellular localization	Secreted. Bacterial flagellum.

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