

# Product Datasheet

## Flagellin Native Protein NBP3-18154

Unit Size: 100 ug

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP3-18154**

## Flagellin Native Protein

Product Information	
Unit Size	100 ug
Concentration	Lyoph
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Reconstitute with 100 ul sterile water (1mg/ml after reconstitution)
Purity	>90% SDS-PAGE
Buffer	Lyophilized from PBS
Product Description	
Description	Source: <i>Salmonella typhimurium</i> strain 14028  Uniprot ID: P06179
Species	Human, Mouse
Details of Functionality	Binds to human & mouse TLR5. Activation of TLR5 in human epithelial cell assays based on NF-kB luciferase fusions, on expression of IL-8 (CXCL8), CCL20, inducible nitric oxide synthase, beta-defensin 2 & matrilysin (MMP-7). Maturation of dendritic cells in in vitro & in vivo assays. Adjuvant activity on foreign antigens delivered by subcutaneous & intranasal routes in mice.  TLR5 can be stimulated in vitro by Flagellin 5-50ng /ml & in vivo at a starting concentration of 0.1-1 ug /mouse.)
Endotoxin Note	<0.1EU/ug purified protein (LAL test; Lonza).
Product Application Details	
Applications	Functional
Recommended Dilutions	Functional



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### **Products Related to NBP3-18154**

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NBP2-35885-10ug	Recombinant Flagellin His (C-Term) Protein
NBP3-05967-100ul	Flagellin Antibody (06)

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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