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Datasheet for ABIN6253486

Flagellin Protein (FliC) (Mutant) (His tag)

Overview

Quantity:	10 µg
Target:	Flagellin (FliC)
Protein Characteristics:	Mutant
Origin:	Human, Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Flagellin protein is labelled with His tag.

Product Details

Purpose:	Flagellin (TLR5 Mutant) (rec.)
Specificity:	The native flagellin [FliC] from Salmonella enterica Serovar Typhimurium strain ATCC14028 (aa 1-495) contains a substitution of amino acids 90-97 required for TLR5 signaling by a motif from a non-signaling flagellin and is fused at the N-terminus to a His-tag.
Characteristics:	<p>Protein. The native flagellin [FliC] from Salmonella enterica Serovar Typhimurium strain ATCC14028 (aa 1-495) contains a substitution of amino acids 90-97 required for TLR5 signaling by a motif from a non-signaling flagellin and is fused at the N-terminus to a His-tag.</p> <p>Source: E. coli. Endotoxin content: <0.01EU/µg purified protein (LAL test, Lonza). Lyophilized. Contains PBS. Not detected by human and mouse TLR5 (Toll-like receptor 5). Purity: >95 % (SDS-PAGE). Flagellin is the subunit protein which polymerizes to form the filaments of bacterial flagella. It activates the innate immune system through the receptor Toll-like Receptor 5 (TLR5) or the intracellular NLRC4 protein. The Flagellin (TLR5 Mutant) (rec.) cannot be detected by human and mouse TLR5. It has not been tested on NLRC4.</p>

Product Details

Purity:	>95 % (SDS-PAGE)
Endotoxin Level:	<0.01EU/μg purified protein (LAL test, Lonza).
Biological Activity Comment:	Does not activate TLR5 in human epithelial cell assays based on NF-kappaB luciferase fusions, in vivo on expression of CCL20 or IL-6. It can be used as negative control for TLR5 signaling assays.

Target Details

Target:	Flagellin (FliC)
Alternative Name:	Flagellin (FliC Products)
Background:	<p>Alternate Names/Synonyms: FliC (TLR5 Mutant)</p> <p>Product Description: Flagellin is the subunit protein which polymerizes to form the filaments of bacterial flagella. It activates the innate immune system through the receptor Toll-like Receptor 5 (TLR5) or the intracellular NLRC4 protein. The Flagellin (TLR5 Mutant) (rec.) cannot be detected by human and mouse TLR5. It has not been tested on NLRC4.</p>
Pathways:	Inflammasome

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Concentration:	Lot specific
Buffer:	Lyophilized. Contains PBS.
Handling Advice:	After reconstitution, prepare aliquots and store at -20 °C. Avoid freeze/thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	<p>Short Term Storage: +4°C</p> <p>Long Term Storage: -20°C</p> <p>Use & Stability: Stable for at least 6 months after receipt when stored at -20°C.</p>