

HDFP501

Product Information

Product SKU:	HDFP501	Expression Host:	HEK293	Size:	50µg
Target:	TLR5	Tag:	-		

Additional Information

Conjugate:	Unconjugated	Uniprot ID:	O60602
Molecular Weight:	The human full length TLR5 protein has a MW of 97.8 kDa		

Protein Information

Background: Toll-like receptor (TLR) family plays a fundamental role in pathogen recognition and activation of innate immune responses. These receptors recognize distinct pathogen-associated molecular patterns that are expressed on infectious agents. The protein encoded by this gene recognizes bacterial flagellin, the principal component of bacterial flagella and a virulence factor. The activation of this receptor mobilizes the nuclear factor NF-kappaB, which in turn activates a host of inflammatory-related target genes. Mutations in this gene have been associated with both resistance and susceptibility to systemic lupus erythematosus, and susceptibility to Legionnaire disease.

Synonyms: MELIOS; SLE1; SLEB1; TIL3

Protein Description: Human TLR5 full length protein-MNP

Formulation: Lyophilized from PBS. Normally 5% – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions.

Protein Pathways: Pathogenic Escherichia coli infection, Toll-like receptor signaling pathway.

Protein Families: Druggable Genome, Transmembrane.

Usage: Research use only

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

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