

Human TLR5 Full-Length Bioactive Membrane Protein

HDFP124



Product Information

Product SKU:

HDFP124

Size:

10µg

Molecular Weight:

The human full length TLR5 protein has a MW of 97.8 kDa

Expression System:

HEK293

Uniprot:

O60602

Target:

TLR5

Antibody 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.

Description:

Human TLR5 full length protein-synthetic nanodisc

Protein Family:

Druggable Genome, Transmembrane

Protein Pathways:

Pathogenic Escherichia coli infection, Toll-like receptor signaling pathway

Synonyms:

MELIOS; SLE1; SLEB1; TIL3

Storage:

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.

Usage:

Research use only

Form:

Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions.

Contact Details | Dublin, Ireland

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