Nanodisc Human TLR9-Strep Protein

HDFP881

Product Information

Product SKU:	HDFP881	**Expression Host**:	HEK293	**Size**:	10µg
Target:	TLR9	**Tag**:	C-Flag&Strep Tag		

Additional Information

Conjugate:	Unconjugated
Uniprot ID:	Q9NR96
Molecular Weight:	The human full length TLR9-Strep protein has a MW of 115.9 kDa

Protein Information

Background:	The protein is a member of the Toll-like receptor (TLR) family, which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from Drosophila to humans and share structural and functional similarities. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. Studies in mice and human indicate that this receptor mediates cellular response to unmethylated CpG dinucleotides in bacterial DNA to mount an innate immune response.
Synonyms:	CD289
Protein Description:	Human TLR9-Strep full length protein-synthetic nanodisc
Formulation:	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. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.
Protein Pathways:	Toll-like receptor signaling pathway.
Protein Families:	Druggable Genome, Transmembrane.
Usage:	Research use only

Contact Details | Dublin, Ireland
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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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