9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

TLR2 Human

Toll Like Receptor 2 Human Recombinant
RCP2386

Product Overview

Name	TLR2 Human
Description	
Toll Like Receptor 2 Human Recombinant	
Accession (Primary)	O60603
Synonyms	
Toll Like Receptor 2, Toll/Interleukin-1 Receptor-Like Protein 4, Toll-Like Receptor 2, TIL4, CD282 Antigen, CD282, TLR2.	
Introduction	
TLR2 belongs to the Toll-like receptor (TLR) family that 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) which are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. TLR2 is expressed most abundantly in peripheral blood leukocytes, and mediates host response to Gram-positive bacteria and yeast via stimulation of NF-kappaB.	
Source	
Sf9, Baculovirus cells.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
TLR2 protein solution (0.25mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
KEESSNQASL SCDRNGICKG SSGSLNSIPS GLTEAVKSLD LSNNRITYIS NSDLQRCVNL QALVLTSNGI NTIEEDSFSS LGSLEHLDLS YNYLSNLSSS WFKPLSSLTF LNLLGNPYKT LGETSLFSHL TKLQILRVGN	

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MDTFTKIQRK DFAGLTFLEE LEIDASDLQS YEPKSLKSIQ NVSHLILHMK QHILLLEIFV DVTSSVECLE LRDTDLDTFH FSELSTGETN SLIKKFTFRN VKITDESLFQ VMKLLNQISG LLELEFDDCT LNGVGNFRAS DNDRVIDPGK VETLTIRRLH IPRFYLFYDL STLYSLTERV KRITVENSKV FLVPCLLSQH LKSLEYLDLS ENLMVEEYLK NSACEDAWPS LQTLILRQNH LASLEKTGET LLTLKNLTNI DISKNSFHSM PETCQWPEKM KYLNLSSTRI HSVTGCIPKT LEILDVSNNN LNLFSLNLPQ LKELYISRNK LMTLPDASLL PMLLVLKISR NAITTFSKEQ LDSFHTLKTL EAGGNNFICS CEFLSFTQEQ QALAKVLIDW PANYLCDSPS HVRGQQVQDV RLSVSECHRT LEHHHHHH

Precautions

TLR2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O60603)