

Recombinant Human TLR2 Protein, DYKDDDDK-tagged

Cat. No. TLR2-151H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human toll like receptor 2(TLR2) protein, transcript variant 3(NM_003264), with a DYKDDDDK tag, was expressed in human cells.

Species Human

Source Human Cells

Description The protein encoded by this gene 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. This protein is a cell-surface protein that can form heterodimers with other TLR family members to recognize conserved molecules derived from microorganisms known as pathogen-associated molecular patterns (PAMPs). Activation of TLRs by PAMPs leads to an up-regulation of signaling pathways to modulate the host's inflammatory response. This gene is also thought to promote apoptosis in response to bacterial lipoproteins. This gene has been implicated in the pathogenesis of several autoimmune diseases. Alternative splicing results in multiple transcript variants.

Form Purified protein formulated in a sterile solution of TBS buffer, pH7.175, without any preservatives.

Molecular Mass 89.7 kDa

Endotoxin Endotoxin level is < 0.1 ng/g of protein (<1EU /g)

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Purity >90% by SDS-PAGE gel and Coomassie Blue staining

Applications Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.

GENE INFORMATION

Gene Name TLR2 toll-like receptor 2 [Homo sapiens]

Official Symbol TLR2

Synonyms TLR2; toll-like receptor 2; CD282; TIL4; toll/interleukin 1 receptor-like 4; toll/interleukin-1 receptor-like protein 4;

Gene ID 7097

mRNA Refseq NM_003264

Protein Refseq NP_003255

MIM 603028

UniProt ID O60603

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