

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)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>90% by SDS-PAGE gel and Coomassie Blue staining
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Applications	Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.
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GENE INFORMATION

Gene Name	TLR2 toll-like receptor 2 [Homo sapiens]
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Official Symbol	TLR2
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Synonyms	TLR2; toll-like receptor 2; CD282; TIL4; toll/interleukin 1 receptor-like 4; toll/interleukin-1 receptor-like protein 4;
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Gene ID	7097
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mRNA Refseq	NM_003264
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Protein Refseq	NP_003255
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MIM	603028
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UniProt ID	O60603
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