

Recombinant Human TLR5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TLR5-2954H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TLR5 MS Standard C13 and N15-labeled recombinant protein (NP_003259) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the toll-like receptor (TLR) family, which 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.
Molecular Mass	97.77 kDa
AA Sequence	MGDHLDLLLGVVLMAGPVFGIPSCSFDGRIAFYRFCNLTQVPQVLNTERLLLSFN RTVTASSFPFLEQLQLLELGSQYTPLTIDKEAFRNLPNLRILDGSSKIYFLHPDAFQ LHFLFELRLYFCGLSDAVLKDG YFRNLKALTRLDLSKNQIRSLYLHPSFGKLSLKSID FSSNQIFLVCEHELEPLQGKTL SFFSLAANSLSRVSDWGKCMNPFRNMVLEILDV

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SGNGWTVDITGNFSNAISKSQAFSLILAHHIMGAGFGFHNKDPDQNTFAGLARSSV
 RHLDSLHGFVFSLSNSRVFETLKDLKVLNLAYNKINKIADEAFYGLDNLQVLNLSYNLL
 GELYSSNFYGLPKVAYIDLQKNHIAIQDQTFKFLEKLQTLDLRDNALTTIHFIPSIPDIFL
 SGNKLVTLPKINLTANLIHLSNRLENLDILYFLLRPHLQILILNQNRFSSCSGDQTPS
 ENPSLEQLFLGENMLQLAWETELCWDVFEGLSHLQVLYLNHNYLNSLPPGVFVSHLT
 ALRGLSLNSNRLTVLSHNDLPANLEILDISRNQLLAPNPDVFSVSLVDITHNKFICEC
 ELSTFINWLNHTNVTIAGPPADIYCVYPDSLSGVSLFSLSTEGCDEEEVLKSLKFSLFI
 VCTVTLTFLMTILTVTKFRGFCFICYKTAQRLVFKDHPQGTEPDMYKYDAYLCFSSK
 DFTWVQNALLKHLDTQYSDQNRFNLCFEERDFVPGENRIANIQDAIWNSRKIVCLVS
 RHFLRDGWCLEAFSYAQGRCLSDLSALIMVVVGSLSQYQLMKHQSIIRGFVQKQQ
 YLRWPEDLQDVGWFLHKLSQQILKKEKEKKKDNNIPLQTVATISTRTRPLEQKLISEE
 DLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	TLR5 toll-like receptor 5 [Homo sapiens (human)]
Official Symbol	TLR5
Synonyms	TLR5; toll-like receptor 5; FLJ10052; MGC126430; MGC126431; SLEB1; TIL3;

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Toll/interleukin 1 receptor like protein 3; toll/interleukin-1 receptor-like protein 3;

Gene ID 7100

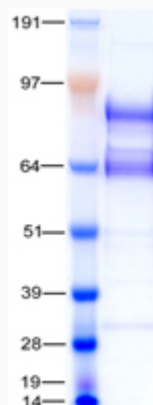
mRNA Refseq NM_003268

Protein Refseq NP_003259

MIM 603031

UniProt ID O60602

SDS-PAGE



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