Recombinant Human TIRAP cell lysate

Cat. No. TIRAP-1782HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Description	The innate immune system recognizes microbial pathogens through Toll-like receptors (TLRs), which identify pathogen-associated molecular patterns. Different TLRs recognize different pathogen-associated molecular patterns and all TLRs have a Toll-interleukin 1 receptor (TIR) domain, which is responsible for signal transduction. The protein encoded by this gene is a TIR adaptor protein involved in the TLR4 signaling pathway of the immune system. It activates NF-kappa-B, MAPK1, MAPK3 and JNK, which then results in cytokine secretion and the inflammatory response. Alternative splicing of this gene results in several transcript variants; however, not all variants have been fully described.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	TIRAP toll-interleukin 1 receptor (TIR) domain containing adaptor protein [Homo sapiens]

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Official Symbol	TIRAP
Synonyms	TIRAP; toll-interleukin 1 receptor (TIR) domain containing adaptor protein; Toll interleukin 1 receptor (TIR) domain containing adaptor protein; toll/interleukin-1 receptor domain-containing adapter protein; Mal; MyD88 adapter like; wyatt; adapter protein wyatt; adaptor protein Wyatt; MyD88 adapter-like protein; Toll-like receptor adaptor protein; BACTS1; FLJ42305;
Gene ID	114609
mRNA Refseq	NM_001039661
Protein Refseq	NP_001034750
MIM	606252
UniProt ID	P58753
Chromosome Location	11q24.2
Pathway	Activated TLR4 signalling, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem; MyD88:Mal cascade initiated on plasma membrane, organism-specific biosystem; Pertussis, organism-specific biosystem; Pertussis, conserved biosystem; Toll Like Receptor 2 (TLR2) Cascade, organism-specific biosystem;
Function	Toll-like receptor 2 binding; Toll-like receptor 4 binding; phosphatidylinositol-4,5-bisphosphate binding; protein binding; protein binding, bridging; protein heterodimerization activity; protein homodimerization activity; protein kinase C binding;

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