

Recombinant Mouse Ticam2 Protein, Myc/DDK-tagged

Cat. No. Ticam2-6426M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length toll-like receptor adaptor molecule 2 (Ticam2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Functions as sorting adapter in different signaling pathways to facilitate downstream signaling leading to type I interferon induction. In TLR4 signaling, physically bridges TLR4 and TICAM1 and functionally transmits signal to TICAM1 in early endosomes after endocytosis of TLR4. In TLR2 signaling, physically bridges TLR2 and MYD88 and is required for the TLR2-dependent movement of MYD88 to endosomes following ligand engagement. Involved in IL-18 signaling and is proposed to function as a sorting adapter for MYD88 in IL-18 signaling during adaptive immune response. Forms a complex with RAB11FIP2 that is recruited to the phagosomes to promote the activation of the actin-regulatory GTPases RAC1 and CDC42 and subsequent phagocytosis of Gram-negative bacteria.
Molecular Mass	26.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Ticam2 toll-like receptor adaptor molecule 2 [Mus musculus (house mouse)]
Official Symbol	Ticam2
Synonyms	TICAM2; toll-like receptor adaptor molecule 2; TIR domain-containing adapter molecule 2; TRIF-related adaptor molecule; TRIF-related adapter molecule TRAM; TIR domain-containing adapter protein; toll/interleukin-1 receptor domain-containing protein; Toll-interleukin I receptor domain (TIR)-containing adaptor molecule (TICAM) 2; TRAM; Tirp; Trif; TICAM-2; B430113A10; MGC107370
Gene ID	225471
mRNA Refseq	NM_173394
Protein Refseq	NP_775570
UniProt ID	Q8BJQ4

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