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**Product Data Sheet**


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Product Name: TICAM2 Human

Cat. No.: GP24835

Batch No.: 1

**Product Data**

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Toll-like receptor adaptor molecule 2; TIRP; TRAM; TICAM-2; Putative NF-kappa-B-activating protein 502; Toll-like receptor adaptor protein 3; TIRAP3; cytoplasmic adaptor; TIR domain-containing adapter molecule 2; toll/interleukin-1 receptor (TIR) domain-containing adapter protein; TRIF-related adaptor molecule.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGS HMGIGKS KINSCPLSLS WGRHSVDTS PGYHESDSKK SEDLSLCNVA EHSNTTEGPT GKQEGAQSVE EMFEEEAEEE VFLKFVILHA EDDTDEALRV QNLLQDDFGI KPGIIFAEMP CGRQHLQNLN DAVNGSAWTI LLLTENFLRD TWCNFQFYTS LMNSVNRQHK YNSVIPMRPL NNPLPRERTP FALQTINALE EESRGFPTQV ERIFQESVYK TQQTWIKETR NMVQRQFIA		
Formulation	The TICAM2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 10% glycerol.		

**Introduction**

TICAM2 belongs to the Toll/interleukin-1 receptor (TIR) family, a group of proteins which include the Toll-like receptors (TLRs). TICAM2, a cytoplasmic protein, physically bonds TLR4 and TICAM-1 and functionally transfers LPS-TLR4 signaling to TICAM-1, that sequentially activates IRF-3. TICAM2 takes part in IL1-triggered NF-kappa-B activation, operating upstream of IRAK1, IRAK2, TRAF6, and IKKB.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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### Background

TICAM2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 259 amino acids (1-235) and having a molecular mass of 29.4kDa. TICAM2 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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