



# Recombinant Human TIR domain-containing adapter molecule 1 (TICAM1)

<b>Product Code</b>	CSB-CF811598HU
<b>Relevance</b>	Involved in innate immunity against invading pathogens. Adapter used by TLR3 and TLR4 (through TICAM2) to mediate NF-kappa-B and interferon-regulatory factor (IRF) activation, and to induce apoptosis. Ligand binding to these receptors results in TRIF recruitment through its TIR domain. Distinct protein-interaction motifs allow recruitment of the effector proteins TBK1, TRAF6 and RIPK1, which in turn, lead to the activation of transcription factors IRF3 and IRF7, NF-kappa-B and FADD respectively.
<b>Abbreviation</b>	Recombinant Human TICAM1 protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q8IUC6
<b>Product Type</b>	Transmembrane Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MACTGPSLPSAFDILGAAGQDKLLYLKHKLKTTPRPGCQGQDLLHAMVLLKLGQ ETEARISLEALKADAVARLVARQWAGVDSTEDPEEPPDVSWAVARLYHLLAAE KLCPASLRDVAYQEAVRTLSSRDDHRLGELQDEARNRCGWDIAGDPGSIRTL QSNLGCLPPSSALPSGTRSLRPIDGVSDWSQGCSLRSTGSPASLASNLEISQ SPTMPFLSLHRSPHGPSKLCDDPQASLVPEPVPGGCQEPEEMSWPPSGEIAS PELPSSPPPGLPEVAPDATSTGLPDTAAPETSTNYPVECTEGSAGPQSLPL PILEPVKNPCSVKDQTPQLQSVEDTTSPNTKPCPPTPTTPETSPPPPPPPSST PCSAHLTPSSLFSSLESSESEQKFYNFVILHARADEHIALRVREKLEALGVDPG ATFCEDFQVPGRGELSCLQDAIDHSAFIILLTNSNFDCLSLHQVNQAMMSNLT RQGSPDCVIPFLPLESSPAQLSSDTASLLSGLVRLDEHSQIFARKVANTFKPHR LQARKAMWRKEQDTRALREQSQHLDGERMQAAALNAAYSAYLQSYLSYQAQ MEQLQVAFGSHMSFGTGAPYGARMPFGGQVPLGAPPPFPPTWPGCPQPPL HAWQAGTPPPSPQPAAFPQSLPFPQSPAFPTASPAPPQSPGLQLIIHHAQM VQLGLNNHMWNQRGSQAPEDKTQEAE
<b>Research Area</b>	Immunology
<b>Source</b>	in vitro E.coli expression system
<b>Target Names</b>	TICAM1
<b>Protein Names</b>	Proline-rich, vinculin and TIR domain-containing protein B Putative NF-kappa-B-activating protein 502H Toll-interleukin-1 receptor domain-containing adapter protein inducing interferon beta
<b>Expression Region</b>	1-712aa



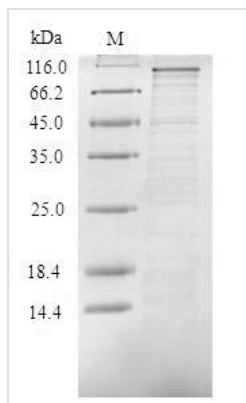
**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

**Tag Info** N-terminal 10xHis-tagged

**Mol. Weight** 79.9kDa

**Protein Length** Full Length

**Image**



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Shelf Life**

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