



Recombinant Human Toll/interleukin-1 receptor domain-containing adapter protein (TIRAP)

Product Code	CSB-BP023570HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P58753
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MASSTSLPAP GSRPKKPLGK MADWFRQTL KKPKKRPNSP ESTSSDASQP TSQDSPLPPS LSSVTSPSLP PTHASDSGSS RWSKDYDVCV CHSEEDLVAA QDLVSYLEGS TAsLRCFLQL RDATPGGAIV SELCQALSSS HCRVLLITPG FLQDPWCKYQ MLQALTEAPG AEGCTIPLLS GLSRAAYPPE LRFMYVVDGR GPDGGFRQVK EAVMRYLQTL S
Source	Baculovirus
Target Names	TIRAP
Protein Names	Recommended name: Toll/interleukin-1 receptor domain-containing adapter protein Short name= TIR domain-containing adapter protein Alternative name(s): Adaptor protein Wyatt MyD88 adapter-like protein
Expression Region	1-221
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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. This protein 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.
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	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.