



# Recombinant Mouse Toll/interleukin-1 receptor domain-containing adapter protein (Tirap)

<b>Product Code</b>	CSB-YP860800MO
<b>Abbreviation</b>	Tirap
<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>	Q99JY1
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MASSSSVPAS STPSKKPRDK IADWFRQALL KKPCKMPISQ ESHLYDGSQT ATQDGLSPSS CSSPPSHSSP ESRSSPSSCS SGMSPTSPPT HVDSSSSSSSG RWSKDYDVCV CHSEEDLEAA QELVSYLEGS QASLRCFLQL RDAAPGGAIV SELCQALSRS HCRALLITPG FLRDPWCKYQ MLQALTEAPA SEGCTIPLLS GLSRAAYPPE LRFMYVVDGR GKDGGFYQVK EAVIHYLETL S
<b>Source</b>	Yeast
<b>Target Names</b>	Tirap
<b>Protein Names</b>	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
<b>Expression Region</b>	1-241
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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.

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