



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

Product Code	CSB-MP860800MO
Abbreviation	Tirap
Storage	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.
Uniprot No.	Q99JY1
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MASSSSVPAS STPSKKPRDK IADWFRQALL KKPCKMPISQ ESHLYDGSQT ATQDGLSPSS CSSPPSHSSP ESRSSPSSCS SGMSPTSPT HVDSSSSSSSG RWSKDYDVCV CHSEEDLEAA QELVSYLEGS QASLRCFLQL RDAAPGGAIV SELCQALSRS HCRALLITPG FLRDPWCKYQ MLQALTEAPA SEGCTIPLLS GLSRAAYPPE LRFMYVVDGR GKDGGFYQVK EAVIHYLETL S
Source	Mammalian cell
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	1-241
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.