

Product datasheet for TP307162M

TIRAP (NM_001039661) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human toll-interleukin 1 receptor (TIR) domain containing adaptor protein (TIRAP), transcript variant 3, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207162 protein sequence Red=Cloning site Green=Tags(s)
	MASSTSLPAPGSRPKKPLGKMADWFRQTLLKKPKKRPNSPESTSSDASQPTSQDSPLPPSLSSVTSPSLP PTHASDSGSSRWKDYDVCVCHSEEDLVAAQDLVSYLEGSTASLRCFLQLRDATPGGAIVSELQALSSS HCRVLLITPGFLQDPWCKYQMLQALTEAPGAEGCTIPLLSGLSRAAYPELRFMYVVDGRGPDGGFRQVK EAVMRYLQTLSWHLLYHGTPEIGVKLETENPCRASDSHKCDKRYRE
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	23.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001034750
Locus ID:	114609



[View online »](#)

UniProt ID: [P58753](#), [A0A024R3M4](#)

RefSeq Size: 2348

Cytogenetics: 11q24.2

RefSeq ORF: 666

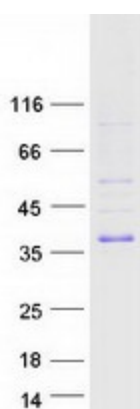
Synonyms: BACTS1; Mal; MyD88-2; wyatt

Summary: 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. The protein encoded by this gene 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Toll-like receptor signaling pathway

Product images:



Coomassie blue staining of purified TIRAP protein (Cat# [TP307162]). The protein was produced from HEK293T cells transfected with TIRAP cDNA clone (Cat# [RC207162]) using MegaTran 2.0 (Cat# [TT210002]).