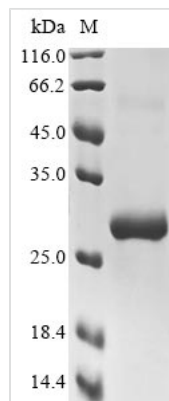




Recombinant Mouse Toll-like receptor 11 (Tlr11), partial

Product Code	CSB-EP764846MO
Abbreviation	Recombinant Mouse Tlr11 protein, partial
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.	Q6R5P0
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	RGQFNVDVFISYCEEDQAWVLEELVPVLEKAPPEGEGLRLCLPARDFGIGNDR MESMIASMGKSRATLCVLTGQALASPWCNLELRLATYHLVARPGTTHLLLLFL EPLDRQRLHSYHRLSRWLQKEDYFDLSQGKVEWNSFCEQLKRRLSKAGQER D
Research Area	Immunology
Source	E.coli
Target Names	Tlr11
Expression Region	769-926aa
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 and C-terminal Myc-tagged
Mol. Weight	25.7 kDa
Protein Length	Partial
Image	



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

Description

Amino acids 769-926 constitute the expression domain of recombinant Mouse Tlr11. This Tlr11 protein is expected to have a theoretical molecular weight of 25.7 kDa. The Tlr11 protein was expressed in e.coli. The Tlr11 gene fragment has been modified by fusing the N-terminal 10xHis tag and C-terminal Myc tag, providing convenience in detecting and purifying the recombinant Tlr11 protein during the following stages.

The mouse Toll-like receptor 11 (Tlr11) is a member of the Toll-like receptor (TLR) family, a group of pattern recognition receptors that play a crucial role in the innate immune system. TLRs recognize conserved molecular patterns on pathogens, activating immune responses. Tlr11 is unique to rodents, and its function is particularly important in recognizing uropathogenic bacteria. Upon ligand binding, Tlr11 activates signaling pathways leading to the production of pro-inflammatory cytokines and type I interferons, contributing to the host defense against bacterial infections. Understanding the role of Tlr11 in the immune response provides insights into the mechanisms of pathogen recognition and may have implications for developing strategies to modulate immune responses in infectious diseases.

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.