

Recombinant Mouse TLR7 Protein (27-348 aa), GST-tagged

Cat. No. TLR7-834M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse TLR7 Protein (27-348 aa) is produced by E. coli expression system. This protein is fused with a GST tag at the N-terminal. Protein Description: Partial.
Species	Mouse
Source	E.coli
ProteinLength	27-348 aa
Description	Key component of innate and adaptive immunity. TLRs (Toll-like receptors) control host immune response against pathogens through recognition of molecular patterns specific to microorganisms. TLR7 is a nucleotide-sensing TLR which is activated by single-stranded RNA. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	63.8 kDa
AA Sequence	FRWFPKTLPCEVKVNIPEAHVIVDCTDKHLTEIPEGIPTNTTNTLTINHIPSISPDSFR RLNHLEEIDLRNCNCPVLLGSKANVCTKRLQIRPGSFGLSDLKALYLDGNQLLEIPQ DLPSSLHLLSLEANNIFSITKENLTELVNIETLYLGQNCYRNPNCNVSYSIEKDAFLVM RNLKVLSLKDNNVTAVPTTLPPNLELYLYNNIIKKIQENDFNNLNELQVLDLSGNCPR CYNVPYPCTPCENNSPLQIHDNAFNSLTELKVLRLHSNSLQHVPTWFKNMRNLQE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

LDLSQNYLAREIEEAKFLHFLPNLVELDFS

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name [Tlr7 toll-like receptor 7 \[Mus musculus \]](#)

Official Symbol [TLR7](#)

Synonyms TLR7; toll-like receptor 7;

Gene ID [170743](#)

mRNA Refseq [NM_133211](#)

Protein Refseq [NP_573474](#)

UniProt ID [P58681](#)

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