

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	FRWFPKTLPCVVKVNIPEAHVIVDCTDKHLTEIPEGIPTNTTNLTLTINHIPSISPDSFR RLNHLEEIDLRNCNCPVLLGSKANVCTKRLQIRPGSFSGLSDLKALYLDGNQLLEIPQ DLPSSLHLLSLEANNIFSITKENLTELVNIETLYLGQNCYYRNPCNVSYISIEKDAFLVM RNLKVLSLKDNNVTAVPTTLPPNLLLELYLYNNIIKKIQENDFNNLNELQVLDLSGNCPR CYNVPYPCTPCENNSPLQIHDNAFNSLTELVRLHNSLSLQHVPTWFKNMRNLQE

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	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.

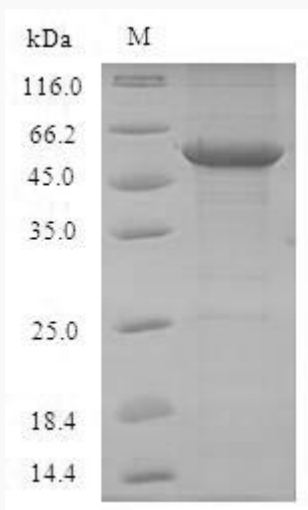
GENE INFORMATION

Gene Name	Tlr7 toll-like receptor 7 [<i>Mus musculus</i>]
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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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.