

Toll-like receptor 7 Recombinant Protein | Tlr7 recombinant protein

Recombinant Mouse Toll-like receptor 7

CATALOG # AAA113283	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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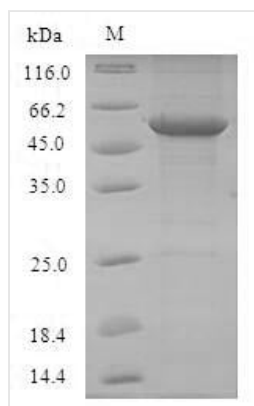
PRODUCT SYNONYMS

Toll-like receptor 7; Recombinant Mouse Toll-like receptor 7; Tlr7 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	27-348. Provide the fragment of the extracellular domain at the N-terminal.
Sequence	FRWFPKTLPC EVKVNIEAH VVDCTDKHL TEIPEGIPTN TTNLTLTINH IPSISPDSEFR RLNHLEEIDL RCNCVPVLLG SKANVCTKRL QIRPGSFSGI SDLKALYLDG NQLEIPQDL PSSHLHLSLE ANNIFSITKE NLTELVNIET LYLQGNCYYR NPCNVSYIE KDAFLVMRNL KVLSLKDNV TAVPTTLPPN LLELYLYNNI IKKIQENDFN NLNELQVLDL SGNCPRCYNV PYPCTPCENN SPLQIHDAF NSLTELVLR LHSNSLQHVP PTWFKNMRNL QELDLSQNYL AREIEEAKFL HFLPNLVELD FS
Sequence Length	348
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Tlr7 recombinant protein	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.
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References	Molecular cloning of murine Toll-like receptor 7.Heil F.J., Lipford G.B., Wagner H., Bauer S.M. Innate antiviral responses by means of TLR7-mediated recognition of single-stranded RNA.Diebold S.S., Kaisho T., Hemmi H., Akira S., Reis e Sousa C.Science 303:1529-1531(2004) The interaction between the ER membrane protein UNC93B and TLR3, 7, and 9 is crucial for TLR signaling.Brinkmann M.M., Spooner E., Hoebe K., Beutler B., Ploegh H.L., Kim Y.M.J. Cell Biol. 177:265-275(2007) UNC93B1 delivers nucleotide-sensing toll-like receptors to endolysosomes.Kim Y.M., Brinkmann M.M., Paquet M.E., Ploegh H.L.Nature 452:234-238(2008)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	595582289
NCBI GeneID	170743
NCBI Accession #	NP_001277684.1
NCBI GenBank Nucleotide #	NM_001290755.1
UniProt Accession #	P58681; Q92311
Molecular Weight	40.8 kDa
NCBI Official Full Name	toll-like receptor 7 isoform a
NCBI Official Synonym Full Names	toll-like receptor 7
NCBI Official Symbol	Tlr7
NCBI Protein Information	toll-like receptor 7
UniProt Protein Name	Toll-like receptor 7
UniProt Gene Name	Tlr7
UniProt Entry Name	TLR7_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.