

TLR7 recombinant protein

Recombinant Human TLR7 protein

CATALOG # AAA119922	HOST E Coli
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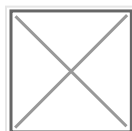
PRODUCT SYNONYMS

TLR7; Recombinant Human TLR7 protein; Toll-like receptor 7; TLR7 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>90% as determined by SDS-PAGE
Form/Format	Lyophilized from a solution in PBS pH 7.4, 0.02% NLS, 1mM EDTA, 4% Trehalose, 1% Mannitol.
Species	Homo sapiens (Human)
Protein Construction	A DNA sequence encoding the human TLR7 (Leu24-Ser348) was fused with His tag
Reconstitution	Reconstitute in sterile water for a stock solution.
Preparation and Storage	Store at 2°C to 8°C for one week. Store at -20°C to -80°C for twelve months from the date of receipt. Use a manual defrost freezer and avoid repeated freeze thaw cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for TLR7 recombinant protein	Endosomal receptor that plays a key role in innate and adaptive immunity. Controls host immune response against pathogens through recognition of uridine-containing single strand RNAs (ssRNAs) of viral origin or guanosine analogs. Upon binding to agonists, undergoes dimerization that brings TIR domains from the two molecules into direct contact, leading to the recruitment of TIR-containing downstream adapter MYD88 through homotypic interaction. In turn, the Myddosome signaling complex is formed involving IRAK4, IRAK1, TRAF6, TRAF3 leading to activation of downstream transcription factors NF-kappa-B and IRF7 to induce proinflammatory cytokines and interferons, respectively.
Product Categories/Family for TLR7 recombinant protein	Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	7706093
NCBI GeneID	51284
NCBI Accession #	NP_057646.1
NCBI GenBank Nucleotide #	NM_016562.3

UniProt Accession #	Q9NYK1; Q9NR98; D1CS69
Molecular Weight	Predicted Molecular Mass: 39.04 kDa
NCBI Official Full Name	toll-like receptor 7
NCBI Official Synonym Full Names	toll-like receptor 7
NCBI Official Symbol	TLR7
NCBI Official Synonym Symbols	TLR7-like
NCBI Protein Information	toll-like receptor 7; toll-like receptor 7-like
UniProt Protein Name	Toll-like receptor 7
UniProt Gene Name	TLR7
UniProt Entry Name	TLR7_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/tlr7-recombinant-protein-e-coli/119922>