

## Toll-like receptor 8 Recombinant Protein | TLR8 recombinant protein

Recombinant Human Toll-like receptor 8

CATALOG #  
AAA309786HOST  
Yeast

### PRODUCT SYNONYMS

Toll-like receptor 8; Recombinant Human Toll-like receptor 8; CD288; TLR8 recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| Host                    | Yeast                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Purity/Purification     | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Form/Format             | Tris-based buffer 50% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Sequence Positions      | Full Length, 27-827                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Sequence                | EENFSRSYPC DEKKQNDSEI AECSNRRLQE VPQTVGKYVT ELDLSDNFIT HITNESFQGL QNLTKINLNH<br>NPNVQHONGN PGIQSNGLNI TDGAFLNLKN LRELLLEDNQ LPQIPSGLPE SLTELSLIQN NIYNITKEGI<br>SRLINLKNLY LAWNCYFNKV CEKTNIEDGV FETLTNLELL SLSFNSLSHV PPKLPSSLRK LFLSNTQIKY<br>ISEEDFKGLI NLTLDDLGN CPRCFNAPFP CVPCDGGASI NIDRFAFQNL TQLRYLNLSS TSLRKINAAW<br>FKNMPHLKVL DLEFNLYLVE IASGAFLTML PRLEILDLSF NYIKGSYPQH INISRNFSKL LSLRALHLRG<br>YVFQELREDD FQPLMQLPNL STINLGINFI KQIDFKLFQN FSNLEIHYLS ENRISPLVKD TRQSYANSSS<br>FQRHIRKRRS TDFEFDPHSN FYHFRPLIK PQCAAYGKAL DLSLNSIFFI GPNQFENLPD IACLNLNSANS<br>NAQVLSGTEF SAIPHVKYLD LTNNRLDFDN ASALTELSDL EVLDLSYNH YFRIAGVTHH LEFIQNFTNL<br>KVLNLSHNNI YTLTDKYNLE SKSLVELVFS GNRLDILWND DDNRYISIFK GLKNLTRLDL SLNRLKHIPN<br>EAFLNLPASL TELHINDNML KFFNWTLQ FPRLELLDLR GNKLLFLTDS LSDFTSSLRT LLLSHNRISH<br>LPSGFLSEVS SLKHLDLSSN LLKTINKSAL ETKTTTKLSM LELHGNPFEC TCDIGDFRRW MDEHLNVKIP<br>RLVDVICASP GDQRGKSIVS LELTTCVSDV T |
| Calculated MW           | 93.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Tag info                | N-terminal 6xHis-tagged                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Immunogen Description   | Expression Region:27-827 Sequence Info: partial                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Preparation and Storage | <p>The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.</p> <p>Generally, the shelf life of liquid form is 6 months at -20°C to -80°C. The shelf life of lyophilized form is 12 months at -20°C to -80°C.</p> <p>Notes: Repeated freezing and thawing is not recommended . Store working aliquots at 4°C for up to one week.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

### ADDITIONAL INFORMATION

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| Related Product Information for TLR8 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. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. |
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### NCBI AND UNIPROT INFORMATION

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|-------------|----------|
| NCBI GI #   | 20302166 |
| NCBI GeneID | 51311    |

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|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI Accession #                 | <a href="#">NP_057694.2</a>                                                                                                                                                  |
| NCBI GenBank Nucleotide #        | <a href="#">NP_057694.2</a>                                                                                                                                                  |
| UniProt Accession #              | <a href="#">Q9NR97</a> ; <a href="#">Q495P4</a> ; <a href="#">Q6UXL6</a> ; <a href="#">Q9NYG9</a> ; <a href="#">B3Y654</a> ; <a href="#">D1CS70</a> ; <a href="#">D1CS76</a> |
| NCBI Official Full Name          | toll-like receptor 8 isoform 1                                                                                                                                               |
| NCBI Official Synonym Full Names | toll like receptor 8                                                                                                                                                         |
| NCBI Official Symbol             | TLR8                                                                                                                                                                         |
| NCBI Official Synonym Symbols    | CD288                                                                                                                                                                        |
| NCBI Protein Information         | toll-like receptor 8                                                                                                                                                         |
| UniProt Protein Name             | Toll-like receptor 8                                                                                                                                                         |
| UniProt Gene Name                | <b>TLR8</b>                                                                                                                                                                  |

**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://www.aaabiotech.com/tlr8-recombinant-protein-yeast/309786>