



# Recombinant Human Toll-like receptor 8 (TLR8), partial

<b>Product Code</b>	CSB-EP023607HU-B
<b>Abbreviation</b>	TLR8
<b>Storage</b>	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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9NR97
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	EENFSRSYPCDEKKQNDVIAECSNRRLQVEVPQTVGKYVTELDLSDNFITHITN ESFQGLQNLTKINLNHNPNVQHQNGNPGIQSNGLNITDGAFNLNLKNLRELLLED NQLPQIPSGLPESLTELSQLNNIYNITKEGISRLINLKNLYLAWNCYFNKVCEKT NIEDGVFETLTNLELLSLSFNLSHVPPKLPSSLRKFLSNTQIKYISEEDFKGLI NLTLDDLSGNCPRCFNAPFPCVPCDGGASINIDRFAFQNLTLRLYLNLSSLSR KINAAWFKNMPHLKVLDLEFNLYLVEIASGAFLTMLPRLEILDLSFNLYIKGSYPQ HINISRNFSKLLSLRALHLRGYVFQELREDDFQPLMQLPNLSTINLGINFIKQIDF KLFQNFNLEIILYSENRIPLVKDTRQSYANSSSFQRHIRKRRSTDFEFDPHSN FYHFTRPLIKPQCAAYGKALDLSLNSIFFIGPNQFENLPDIACLNLNSANSNAQVL SGTEFSAIPHVKYLDLTNNRLDFDNASALTELDLSDLEVLDSLNSHYFRIAGVTH HLEFIQNFTNLKVLNLSHNNIYTLTDKYNLESKSLVELVFSGNRLDILWNDDDNR YISIFKGLKNLTRLDSLNRKHIPNEAFLNLPASLTELHINDNMLKFFNWTLTLLQQ FPRLELLDLRGNKLLFTDLSLSDFTSSLRLLLLSHNRISHLPSGFLSEVSSLKHL DLSSNLLKTINKSALETKTTTKLSMLELHGPNPFECTCDIGDFRRWMDEHLNVKI PRLVDVICASPGDQRGKSIVSLELTTCVSDVT
<b>Research Area</b>	Immunology
<b>Source</b>	E.coli
<b>Target Names</b>	TLR8
<b>Protein Names</b>	Recommended name: Toll-like receptor 8 Alternative name(s): CD_antigen=CD288
<b>Expression Region</b>	27-827
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Partial
<b>Target Details</b>	This protein is a member of the Toll-like receptor (TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity.



TLRs are highly conserved from Drosophila to humans and share structural and functional similarities. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. This gene is predominantly expressed in lung and peripheral blood leukocytes, and lies in close proximity to another family member, TLR7, on chromosome X.

---

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

---

**Shelf Life**

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