9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-13478: Recombinant Human TLR3 Human (C-Term His Tag)

Alternative Name : Toll Like Receptor 3, Toll-Like Receptor 3, CD283 Antigen, CD283, IIAE2, Toll-like receptor 3.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
TLR3 (Toll-like receptor 3) belongs to the toll-like receptor family which takes an essential part in pathogen recognition as well as activation of innate immunity. TLR3 has innate immune receptors for sensing microbial molecules in addition to damage-associated molecular patterns released from host cells. TLR3 recognizes dsRNA and activation of the receptor which induces the activation of NF-kappaB and the production of type I interferons. TLR3 signaling activation is related with ischemic preconditioning-induced protection against brain ischemia and attenuation of reactive astrogliosis. TLR3 is most plentifully expressed in the placenta & pancreas, and is limited to the dendritic subpopulation of the leukocytes.
TLR3 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 690 amino acids (23-704 a.a.) and having a molecular mass of 78.5kDa. (Molecular size on SDS-PAGE will appear at approximately 70-100kDa).TLR3 is expressed with an 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	1 µg / 5 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	TLR3 protein solution (0.5 mg/ml) contains 20% glycerol, 20mM Tris-HCl Buffer (pH 8.0), 0.1M NaCl & 1mM DTT.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	SSTTKCTVSH EVADCSHLKL TQVPDDLPTN ITVLNLTHNQ LRRLPAANFT RYSQLTSLDV GFNTISKLEP ELCQKLPMLK VLNLQHNELS QLSDKTFAFC TNLTELHLMS NSIQKIKNNP FVKQKNLITL DLSHNGLSST KLGTQVQLEN LQELLLSNNK IQALKSEELD IFANSSLKKL ELSSNQIKEF SPGCFHAIGR LFGLFLNNVQ LGPSLTEKLC LELANTSIRN LSLSNSQLST TSNTTFLGLK WTNLTMLDLS YNNLNVVGND SFAWLPQLEY FFLEYNNIQH LFSHSLHGLF NVRYLNLKRS FTKQSISLAS LPKIDDFSFQ WLKCLEHLNM EDNDIPGIKS NMFTGLINLK YLSLSNSFTS LRTLTNETFV SLAHSPLHIL NLTKNKISKI ESDAFSWLGH LEVLDLGLNE IGQELTGQEW RGLENIFEIY LSYNKYLQLT RNSFALVPSL QRLMLRRVAL KNVDSSPSPF QPLRNLTILD LSNNNIANIN DDMLEGLEKL EILDLQHNNL ARLWKHANPG GPIYFLKGLS HLHILNLESN GFDEIPVEVF KDLFELKIID LGLNNLNTLP ASVFNNQVSL KSLNLQKNLI TSVEKKVFGP AFRNLTELDM RFNPFDCTCE SIAWFVNWIN ETHTNIPELS SHYLCNTPPH YHGFPVRLFD TSSCKDSAPF ELLEHHHHHH.

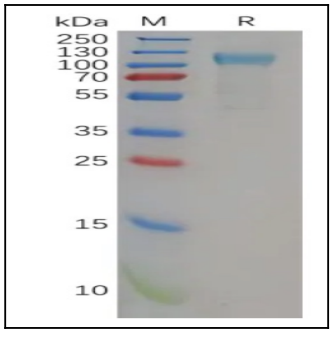

Figure 1: Human TLR3 with His Tag ran on SDS Page under reducing condition.