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32-20606: Recombinant Human TLR-3(Discontinued)

Alternative Name : Toll-like receptor 3, CD283 antigen

Description

Source:HEK293 cells
TLR-3 is a single-pass type I receptor that binds to and signals the presence of microbial pathogens and double stranded RNA (dsRNA) viruses. Signaling through TLR-3 can promote the NF-kB pathway to initiate innate and adaptive immune responses to bacterial and viral infections, as well as the p53 pathway to trigger apoptosis in cells infected with dsRNA viruses. TLR-3 belongs to a family of structurally-related toll-like receptors (TLRs) containing an N-terminal domain rich in leucine repeats, and a C-terminal intracellular Toll/interleukin (IL)-1 (TIL) domain. TLR-3 is expressed primarily in dendritic cells of the placenta and pancreas where it can reside on both sides of the plasma membrane, and in the endosomal compartment of the cells. Recombinant Human TLR-3 is 77.4 kDa glycoprotein containing 681 residues which comprise the TLR-3 extracellular domain.

Product Info

Amount : 5 µg / 25 µg
Purification : Purity:>= 95% by SDS-PAGE gel and HPLC analyses.
Content : This recombinant protein is supplied in lyophilized form.
Amino Acid : STTKCTVSHE VADCSHLKLT QVPDDLPTNI TVLNLTHNQL RRLPAANFTR YSQLTSLDVG FNTISKLEPE LCQKLPMLKV LNLQHNELSQ LSDKTFAFCT NLTELHLMSN SIQKIKNNPF VKQKNLITLD LSHNGLSSTK LGTQVQLENL QELLLSNNKI QALKSEELDI FANSSLKKLE LSSNQIKEFS PGCFHAIGRL FGLFLNNVQL GPSLTEKLCL ELANTSIRNL SLSNSQLSTT SNTTFLGLKW TNLTMLDLSY NNLNVVGNDS FAWLPQLEYF FLEYNNIQHL FSHSLHGLFN VRYLNLKRSF TKQSISLASL PKIDDFSFQW LKCLEHLNME DNDIPGIKSN MFTGLINLKY LSLSNSFTSL RTLTNETFVS LAHSPLHILN LTKNKISKIE SDAFSWLGHL EVLDLGLNEI GQELTGQEWR GLENIFEIYL SYNKYLQLTR NSFALVPSLQ RLMLRRVALK NVDSSPSPFQ PLRNLTILDL SNNNIANIND DMLEGLEKLE ILDLQHNNLA RLWKHANPGG PIYFLKGLSH LHILNLESNG FDEIPVEVFK DLFELKIIDL GLNNLNTLPA SVFNNQVSLK SLNLQKNLIT SVEKKVFGPA FRNLTELDMR FNPFDCTCES IAWFVNWINE THTNIPELSS HYLCNTPPHY HGFPVRLFDT SSCKDSAPFE L

Application Note

Determined by its ability to neutralize Poly I:C induced NF-kB signaling in HT-29 cells stably transfected with NF-kB-luc. TheÃ Â ED_{50}Ã Â for this effect is 5-10 Ã Âµg/ml.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.