

Recombinant human TLR3 protein ab73825

3 References

描述

产品名称	重组人TLR3蛋白
生物活性	Biological Activity is determined by its ability to neutralize Poly I:C induced NF- κ B signaling in HT-29 cells stably transfected with NF- κ B-luc. The ED50 for this effect is 5-10 μ g/ml.
纯度	> 95 % SDS-PAGE. Purity is greater than 95% by SDS-PAGE gel and HPLC analyses. Endotoxin level is less than 0.1 ng per μ g (1EU/ μ g).
表达系统	HEK 293 cells
Accession	<u>O15455</u>
蛋白长度	Protein fragment
无动物成分	No
性质	Recombinant
种属	Human
序列	<pre> STTKCTV SHEVADCSHL KLTQVPDDL P TNITVLNLTH NQLRRLPAAN FTRYSQLTSL DVG FNTISKL EPELCQK LPM LKVLNLQHNE LSQ LSDKTF A FCTNLTELHL MSNSIQK IKN NPFVKQKNLI TLDLSHNGLS STKLG TQVQL ENLQELLLSN NKIQALKSEE LDIFANSSLK KLELSSNQIK EFSPGCFHAI GRLFGLFLNN VQLG PSLTEK LCLELANTSI RNLSLSNSQL STTSNTTFLG LKWTNLTMLD LSYNNLNVVG NDSFAWLPQL EYFFLEYNNI QHLF SHSLHG LFNVRYLNLK RSFTKQSISL ASLPKIDDFS FQWLKCLEHL NMEDNDIPGI KSNMFTGLIN LKYL SLSNSF TSLRTLNET FVSLAHSPLH ILNLTKNKIS KIESDAFSWL GHLEVLDLGL NEIGQELTGQ EWRGLENIFE IYLSYNKY LQ LTRNSFALVP SLQRLMLRRV ALKNVDSSPS PFQPLRN LTI LDLSNNNIAN INDDMLEGLE KLEILD LQHN NLARLWKHAN PGGPIYFLKG LSHLHILNLE SNGFDEIPVE VFKDLFELKI IDLGLNNLNT LPASVFNNQV SLKSLNLQKN LITSVEKKVF GPAFRNLTEL DMRFNPF DCT CESIAWFVNW INETHNIPE LSSH YLCNTP PHYHGFPVRL F DTS </pre>

预测分子量	77 kDa
氨基酸	24 to 704

技术指标

Our **Abpromise guarantee** covers the use of **ab73825** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	SDS-PAGE Functional Studies
形式	Lyophilized

制备和贮存

稳定性和存储	Shipped at 4°C. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. This product is an active protein and may elicit a biological response in vivo, handle with caution.
复溶	Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8oC for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20oC to -80oC.

常规信息

功能	Key component of innate and adaptive immunity. TLRs (Toll-like receptors) control host immune response against pathogens through recognition of molecular patterns specific of microorganisms. TLR3 is a nucleotide-sensing TLR which is activated by double-stranded RNA, a sign of viral infection. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response.
组织特异性	Expressed at high level in placenta and pancreas. Also detected in CD11c+ immature dendritic cells. Only expressed in dendritic cells and not in other leukocytes, including monocyte precursors. TLR3 is the TLR that is expressed most strongly in the brain, especially in astrocytes, glia, and neurons.
疾病相关	Defects in TLR3 are associated with herpes simplex encephalitis type 2 (HSE2) [MIM:613002]. HSE is a rare complication of human herpesvirus 1 (HHV-1) infection, occurring in only a small minority of HHV-1 infected individuals. HSE is characterized by hemorrhagic necrosis of parts of the temporal and frontal lobes. Onset is over several days and involves fever, headache, seizures, stupor, and often coma, frequently with a fatal outcome. Note=TLR3 mutations predispose otherwise healthy individuals to isolated herpes simplex encephalitis through a mechanism that involves impaired IFNs production and reduced immune defense against viral infection in the central nervous system.
序列相似性	Belongs to the Toll-like receptor family. Contains 22 LRR (leucine-rich) repeats. Contains 1 LRRCT domain. Contains 1 LRRNT domain. Contains 1 TIR domain.
结构域	ds-RNA binding is mediated by LRR 1 to 3, and LRR 17 to 18.

翻译后修饰

Heavily N-glycosylated, except on that part of the surface of the ectodomain that is involved in ligand binding.

细胞定位

Endoplasmic reticulum membrane. Endosome membrane.

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