

Recombinant human TLR3 protein ab73825

3 References

製品の詳細

製品名	Recombinant human TLR3 protein
生理活性	Biological Activity is determined by its ability to neutralize Poly I:C induced NF-κB signaling in HT-29 cells stably transfected with NF-κB-luc. The ED50 for this effect is 5-10 µg/ml.
精製度	> 95 % SDS-PAGE. Purity is greater than 95% by SDS-PAGE gel and HPLC analyses. Endotoxin level is less than 0.1 ng per µg (1EU/µg).
発現系	HEK 293 cells
アクセッション番号	<u>O15455</u>
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
生物種	Human
配列	

STTKCTV SHEVADCSHL KLTQVPDDL P TNITVLNLTH
NQLRRLPAAN FTRYSQLTSL DVG FNTISK L
EPELCQKLPM LKVLNLQHNE LSQ LSDKTF A
FCTNLTELHL MSNSIQKIKN NPFVKQKNLI
TDL SHNGLS STKLGTQVQL ENLQELL SN
NKIQALKSEE LDIFANSSLK KLELSSNQIK
EFSPGCFHAI GRLFGLFLNN VQLGPSLTEK
LCLELANTSI RNLSLSNSQL STTSNTTFLG
LKWTNLTMLD LSYNNLNVVG NDSFAWL PQL
EYFFLEYNNI QHLFSHSLHG LFN VRYLNLK
RSFTKQSISL ASLPKIDDFS FQWLKCLEHL
NMEDNDIPGI KSNMFTGLIN LKYL SLSNSF
TSLRTLNET FVSLAHSPLH ILNLTKNKIS
KIESDAFSWL GHLEVLDLGL NEIGQELTGQ
EWRGLENIFE IYLSYNKYLQ LTRNSFALVP
SLQRLMLRRV ALKNVDSSPS PFQPLRNLT I
LDLSNNNIAN INDDMLEGLE KLEILD LQHN
NLARLWKHAN PGGPIYFLKG LSHLHILNLE
SNGFDEIPVE VFKDLFELKI IDLGLNNLNT
LPASVFNNQV SLKSLNLQKN LITSVEKKVF
GPAFRNLTEL DMRFNPF DCT CESIAW FVNW
INETH TNIPE LSSH YLCNTP PHYHGFPVRL FDT S

予測される分子量	77 kDa
領域	24 to 704

特性

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.

アプリケーション	SDS-PAGE
	Functional Studies

製品の状態	Lyophilized
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前処理および保存

保存方法および安定性	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.
再構成	Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C 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 -20°C to -80°C.

関連情報

機能	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.
組織特異性	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.
関連疾患	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.
配列類似性	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.
ドメイン	ds-RNA binding is mediated by LRR 1 to 3, and LRR 17 to 18.

翻訳後修飾	Heavily N-glycosylated, except on that part of the surface of the ectodomain that is involved in ligand binding.
細胞内局在	Endoplasmic reticulum membrane. Endosome membrane.

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