Datasheet for ABIN7564071

NFKBIL2 Protein (AA 1-1363) (His tag)

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Overview

Quantity:	1 mg
Target:	NFKBIL2
Protein Characteristics:	AA 1-1363
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NFKBIL2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Tonsl Protein expressed in mammalien cells.
Sequence:	MTLEQELRQL SKAKTRAQRN GQLREEAAYC HQLGELLASH GRFKDALEEH QQELHLLESV QDTLGCAVAH RKIGERLAEM ENYSAALKHQ HLYLDLAGSL SNHTELQRAW ATIGRTHLDI YDHCQSRDSL LQAQAAFEKS LAIVDEKLEG MLTQRELSEM RTRLYLNLGL TCESLQQTAL CNNYFKKSIF LAEQNHLYED LFRARYNLGA IHWRGGQHSQ AMRCLEGARE CARAMKMRFM ESECCVLVSQ VLQDLGDFLA AKRALKKAYR LGSQKPNQRV TVCQSLKYVL AVIQLQQQLE EAEGNDLQGA MAICEQLGDL FSKAGDFPKA AEAYQKQLHL AELLNRPDLE LAVIHVSLAT TLGDMKDHRK AVHHYEEELR LRKGNALEEA KTWFNIALSR EEAGDAYELL APCFQKAFCC AQQAQRFQLQ RQILQHLYTV QLKLQPQEAR DTEIRLQELS MAKDTEEEEE EEEEEEEEAS EAPETSELEL SESEDDADGL SQQLEEDEEL QGCVGRRKVN KWNRRNDMGE TLLHRACIEG QLRRVQDLVK QGHPLNPRDY CGWTPLHEAC NYGHLEIVRF LLDHGAAVDD PGGQGCDGIT PLHDALNCGH FEVAELLIER GASVTLRTRK GLSPLETLQQ WVKLYFRDLD LETRQKAATM

Product Details

	EERLQMASSG QASRSSPALQ TIPSNHLFDP ETSPPSSPCP EPSSYTPRPP EASPAPAKVF LEETVSAVSR PRKTRHRPTS SSSSSEDEDN PSPCRPSQKR LRHTTQQGEV KIPDPPKSRE TATSSACRAA YQAAIRGVGS AQSRRLVPSL PRGSEEVPAP KTALIPEEEY LAGEWLEVDT PLTRSGRPST SVSDYERCPA RPRTRVKQSR LTSLDGWCAR TQAGDGSLNA EPAENPSVPR TSGPNKENYA AGQPLLLVQP PPIRVRVQIQ DNLFLIPVPQ SDIRPVAWLT EQAAQRYFQT CGLLPRLTLR KDGALLAPQD PIPDVLQSND EVLAEVTSWD LPPLKDRYRR ACLSLGQGEH QQVLHAMDHQ SSSPSFSACS LALCQAQLTP LLRALKLHTA LRELRLAGNR LGDACATELL ATLGTTPNLV LLDLSSNHLG QEGLRQLVEG SSGQAALQNL EELDLSMNPL GDGCGQALAS LLRACPMLST LRLQACGFSS SFFLSHQAAL GGAFQDAVHL KTLSLSYNLL GAPALARVLQ TLPACTLKRL DLSSVAASKS NSGIIEPVIK YLTKEGCALA HLTLSANCLG DKAVRELSRC LPCCPSLTSL DLSANPEVSC ASLEELLSAL QERSQGLSFL GLSGCSIQGP LNSDLWDKIF VQLQELQLCT KDLSTKDRDS VCQRLPEGAC TMDQSSKLFF KCL **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	NFKBIL2

Target Details

Alternative Name:	TonsI (NFKBIL2 Products)
Background:	Tonsoku-like protein (Inhibitor of kappa B-related protein) (I-kappa-B-related protein) (IkappaBR) (NF-kappa-B inhibitor-like protein 2) (Nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2),FUNCTION: Component of the MMS22L-TONSL complex, a complex that promotes homologous recombination-mediated repair of double-strand breaks (DSBs) at stalled or collapsed replication forks. The MMS22L-TONSL complex is required to maintain genome integrity during DNA replication. It mediates the assembly of RAD51 filaments on single-stranded DNA (ssDNA): the MMS22L-TONSL complex is recruited to DSBs following histone replacement by histone chaperones and eviction of the replication protein A complex (RPA/RP-A) from DSBs. Following recruitment to DSBs, the TONSL-MMS22L complex promotes recruitment of RAD51 filaments and subsequent homologous recombination. Within the complex, TONSL acts as a histone reader, which recognizes and binds newly synthesized histones following their replacement by histone chaperones. Specifically binds histone H4 lacking methylation at 'Lys-20' (H4K20me0) and histone H3.1. {ECO:0000250|UniProtKB:Q96HA7}.
Molecular Weight:	151.1 kDa
UniProt:	Q6NZL6
Pathways:	Maintenance of Protein Location

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.

Handling

Expiry Date:	12 months