Datasheet for ABIN7554207

KANK2 Protein (AA 1-851) (His tag)

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Overview

Quantity:	1 mg
Target:	KANK2
Protein Characteristics:	AA 1-851
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KANK2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat KANK2 Protein expressed in mammalien cells.
Sequence:	MAQVLHVPAP FPGTPGPASP PAFPAKDPDP PYSVETPYGY RLDLDFLKYV DDIEKGHTLR RVAVQRRPRL SSLPRGPGSW WTSTESLCSN ASGDSRHSAY SYCGRGFYPQ YGALETRGGF NPRVERTLLD ARRRLEDQAA TPTGLGSLTP SAAGSTASLV GVGLPPPTPR SSGLSTPVPP SAGHLAHVRE QMAGALRKLR QLEEQVKLIP VLQVKLSVLQ EEKRQLTVQL KSQKFLGHPT AGRGRSELCL DLPDPPEDPV ALETRSVGTW VRERDLGMPD GEAALAAKVA VLETQLKKAL QELQAAQARQ ADPQPQAWPP PDSPVRVDTV RVVEGPREVE VVASTAAGAP AQRAQSLEPY GTGLRALAMP GRPESPPVFR SQEVVETMCP VPAAATSNVH MVKKISITER SCDGAAGLPE VPAESSSSPP GSEVASLTQP EKSTGRVPTQ EPTHREPTRQ AASQESEEAG GTGGPPAGVR SIMKRKEEVA DPTAHRRSLQ FVGVNGGYES SSEDSSTAEN ISDNDSTENE APEPRERVPS VAEAPQLRPA GTAAAKTSRQ ECQLSRESQH IPTAEGASGS NTEEEIRMEL SPDLISACLA LEKYLDNPNA LTERELKVAY TTVLQEWLRL ACRSDAHPEL VRRHLVTFRA MSARLLDYVV

Product Details

	NIADSNGNTA LHYSVSHANF PVVQQLLDSG VCKVDKQNRA GYSPIMLTAL ATLKTQDDIE TVLQLFRLGN INAKASQAGQ TALMLAVSHG RVDVVKALLA CEADVNVQDD DGSTALMCAC EHGHKEIAGL LLAVPSCDIS LTDRDGSTAL MVALDAGQSE IASMLYSRMN IKCSFAPMSD DESPTSSSAE E **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:	KANK2
Alternative Name:	KANK2 (KANK2 Products)
Background:	KN motif and ankyrin repeat domain-containing protein 2 (Ankyrin repeat domain-containing protein 25) (Matrix-remodeling-associated protein 3) (SRC-1-interacting protein) (SIP) (SRC-interacting protein) (SRC1-interacting protein),FUNCTION: Involved in transcription regulation by sequestering in the cytoplasm nuclear receptor coactivators such as NCOA1, NCOA2 and NCOA3 (PubMed:17476305). Involved in regulation of caspase-independent apoptosis by sequestering the proapoptotic factor AIFM1 in mitochondria (PubMed:22371500). Pro-apoptotic stimuli can induce its proteasomal degradation allowing the translocation of AIFM1

Target Details

	to the nucleus to induce apoptosis (PubMed:22371500). Involved in the negative control of vitamin D receptor signaling pathway (PubMed:24671081). Involved in actin stress fibers formation through its interaction with ARHGDIA and the regulation of the Rho signaling pathway (PubMed:17996375, PubMed:25961457). May thereby play a role in cell adhesion and migration, regulating for instance podocytes migration during development of the kidney (PubMed:25961457). Through the Rho signaling pathway may also regulate cell proliferation (By similarity). {ECO:0000250|UniProtKB:Q8BX02, ECO:0000269|PubMed:17476305, ECO:0000269|PubMed:17996375, ECO:0000269|PubMed:22371500, ECO:0000269|PubMed:24671081, ECO:0000269|PubMed:25961457}.
Molecular Weight:	91.2 kDa
UniProt:	Q63ZY3

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.
Expiry Date:	12 months