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Datasheet for ABIN7554451
LMTK2 Protein (AA 1-1503) (His tag)

Overview

Quantity:	1 mg
Target:	LMTK2
Protein Characteristics:	AA 1-1503
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LMTK2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat LMTK2 Protein expressed in mammalian cells.
Sequence:	MPGPPALRRR LLLLLLVLLI AGSAGAAPLP QTGAGEAPPA AEVSSSFVIL CVCSLIILIV LIANCVSCCK DPEIDFKEFE DNFDDDEIDFT PPAEDTPSVQ SPAEVFTLSV PNISLPAPSQ FQPSVEGLKS QVARHSLNYI QEIGNGWFGK VLLGEIYTG T SVARVIVKEL KASANPKEQD TFLKNGEPYY ILQHPNQLQC VGQCVEAIPY LLVFEFCDLG DLKAYLRSEQ EHMGRDQSQT LLQRMACEVA AGLAAMHKLH FLHSDLALRN CFLTSDLNVK VGDYIGIFSR YKEDIETDD KKVFPLRWTA PELVTSFQDR LLTADQTKYS NIWSLGVTLW ELFDNAAQPY SNLSNLDVNL QVIRERDTKL PKPQLEQPY DRWYEVLFQC WLSPEKRPAA EDVHRLTYL RLQSQRDSEV DFEQQWNALK PNTNSRDSSN NAAFILDHF ARDRLGREME EVLTVTETSQ GLSFEYVWEA AKHDFDERS RGHLDDEGLSY TSIFYPVEVF ESSLSDPGPG KQDDSGQDVP LRVPGVVPVF DAHNLVSGSD YYIQLEEKSG SNLELDYPPA LLTTDMDNPE RTGPELSQLT ALRSVELEES STDEFFQSS TDPKDSSLPG DLHVTSGPES PFNNIFNDVD KSEDLP SHQK IFDLMELNGV

QADFKPATLS SSLDNPKEV ITGHFEKEKP RKIFDSEPLC LSDNLMHQDN FDPLNVQELS
ENFLFLQEKN LLKGSLSKE HINDLQTEK NAGFTEAMLE TSCRNSLDTE LQFAENKPG
SLLQENVSTK GDDTDVMLTG DTLSTSLQSS PEVQVPPTSF ETEETPRRVP PDSLPTQGET
QPTCLDVIVP EDCLHQDISP DAVTVPVEIL STDARTHSLD NRSQDSPGES EETLRLTESD
SVLADDILAS RVSVGSSLPE LGQELHNKPF SEDHSHRRL EKNLEAVETL NQLNSKDAAK
EAGLVSALSS DSTSQDSLLE DSLSAPFPAS EPSLETPDSL ESVDVHEALL DSLGSHTPQK
LVPPDKPADS GYETENLESP EWTLHPAPEG TADSEPATG DGGHSGLPPN PVIVISDAGD
GHRGTEVTPE TFTAGSQGSY RDSAYFSDND SEPEKRSEEV PGTSPSALVL VQEQLPEPVL
LPEQSPAAQD SCLEARKSQP DESCLSALHN SSDLELRATP EPAQTGVPQQ VHPTEDASS
PWSVLNAELS SGDDFETQDD RPCTLASTGT NTNELLAYTN SALDKSLSSH SEGPKLKEPD
IEGKYLKGLG VSGMLDSED GMDADEEDEN SDDSDEDLRA FNLHSLSSSES EDETEHPVPI
ILSNEDGRHL RSLKPTAAN APDPLPEDWK KEKKAFTFFD DVTVYLFQDE TPTKELGPCG
GEACGPDLG PAPANSPYL SRCINSESST DEEGGFEDW DDFSPDPFMS KTTSNLLSSK
PSLQTSKYFS PPPPARSTEQ SWPHSAPYSR FSISPANIAS FSLTHLTSD IEQGGSSDGD EKD

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 mammalian 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:	LMTK2
Alternative Name:	LMTK2 (LMTK2 Products)
Background:	Serine/threonine-protein kinase LMTK2 (EC 2.7.11.1) (Apoptosis-associated tyrosine kinase 2) (Brain-enriched kinase) (hBREK) (CDK5/p35-regulated kinase) (CPRK) (Kinase/phosphatase/inhibitor 2) (Lemur tyrosine kinase 2) (Serine/threonine-protein kinase KPI-2),FUNCTION: Phosphorylates PPP1C, phosphorylase b and CFTR.
Molecular Weight:	164.9 kDa
UniProt:	Q8IWU2
Pathways:	RTK Signaling, Neurotrophin Signaling Pathway

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