Datasheet for ABIN3131146

MAP3K19 Protein (AA 1-1311) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	MAP3K19
Protein Characteristics:	AA 1-1311
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAP3K19 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	MDSMPRPERH AESLLDICHE AGSTPMEMTV SQTENLTLQS ISSSEDFDLE DDFSPFILAR EGAAPRGENW PRRTEGVEII VTFPPDPLQE ASQEDLKESN QVTSEHQERE QVHPVSPPDD AEMVGLTGRM LTTQPSLLKT DGSSEELCGV DVALSPPRPC LDSSLAASAA GEVAPCVLKE QQRQSDEFPT SDISYSSRRT GLPLPPLSCL PMRSCIFNME KSPKSPRHRE RKVPSLSLSV PKLLEPLSRP LSQSAEFSSS KNHQEVTQEG PVEHTLRGSN CTLWSRNMCS FRKSGKQGVA ESWPSQEMEG WDKTKTSGFK EGPSLFSCES VKEDTTPTER ERDSGYHVSE MQRGGEDSQY LSSRKKESWT ARVVERDSGV EHPILCKLLE VSNSEMTPAE EKEIGNENVP DAKSNSVHKS GAMEPHAASE EVSVPKNGPS VNSDGPAEEL EGHRDIEQNR KIPMEEETNP EMNGVVPLTH IAFPGEGTSK GPARAEPHLQ RRKRPAQNSN SFNLLAHREH DKLQTNTHRT KLDSRTKARN RAPPNLMVSI QASIKPNMHK NSIKTQVFPA LELIDHRPHP SSKFQRRAPL TEKKSTHQTQ KPKKQAFPRI GKHAGIKKPG IPLSAETTDP RLHFLDLKYS DMFKEINSAS NGPGIYEMFG

TPVYCHIREA ERHDHRCYRE IRTAPSGRCV VNKCQSSESD RCSNSRARLL QKRQHIKPPK PLHGLRQKHR GFISKDKGCK DMGGHTEDSV SEPDGQMKSP GNDFLSSKDD AQLMHLIPIP ELSPEQKAPA PVSDLSIVEE IFTEECADEE GILNDDSLTQ SLGDLKEPEG LHPQAPLVPS ENSWAVLSEK RSGKRVSPEK HNVEPLDKIN AEQMFPGYLE FDSLSEKSKT LVSFSSCSFQ ENLERAPSPT EQHWARSLEQ DSLENNSTTY QTFGKISQEI LDPGKNEELT DELLGCLVEE LLALDEKDNN SCQIMTNEAD AKNLNLVFSR RGNTIEELGR ETTDVKLQRC INGFRIYDEE NFLTSNEKKT LSDKSLNHEE AIFWTKGEIL GRGAYGTVYC GLTSLGQLIA VKQVALDTSD KLATEKEYRK LQEEVDLLKA LKHVNIVAYL GTCLEENTLS IFMEFVPGGS ISSIINRFGP LPEMVFCKYT RQILQGVAYL HDNCVVHRDI KGNNVMLMPT GIIKLIDFGC AKRLAWAGLN GTHSDMLKSM RGTPYWMAPE VINESGYGRK SDIWSIGCTV FEMATGKPPL ASMDRMAAMF YIGAHRGLMP PLPARFSEPA ADFVRLCLTR DQHERPSALQ LLKHSFLKRS Q

Sequence without tag. The proposed Strep-Tag is based on experience s 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 in Germany - from design to production - by highly experienced protein experts.
- Protein expressed with ALiCE® and purified in one-step affinity chromatography
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- 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.

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.

Expression System:

- ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from Nicotiana tabacum c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system -

Product Details

	all that's needed is the DNA that codes for the desired protein! Concentration: • The concentration of our recombinant proteins is measured using the absorbance at 280nm. • The protein's absorbance will be measured against its specific reference buffer. • We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.
Purification:	One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (AliCE®).
Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made

Target Details

Target:	MAP3K19
Alternative Name:	Map3k19 (MAP3K19 Products)
Background:	Mitogen-activated protein kinase kinase kinase 19 (EC 2.7.11.1) (SPS1/STE20-related protein kinase YSK4)
Molecular Weight:	146.4 kDa
UniProt:	E9Q3S4

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.
Comment:	ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from Nicotiana tabacum c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications. During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce

Application Details

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Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer. Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol **Might differ depending on protein.**
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months