Datasheet for ABIN3093651

MAP3K19 Protein (AA 1-1328) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	MAP3K19
Protein Characteristics:	AA 1-1328
Origin:	Human
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:	MSSMPKPERH AESLLDICHD TNSSPTDLMT VTKNQNIILQ SISRSEEFDQ DGDCSHSTLV NEEEDPSGGR QDWQPRTEGV EITVTFPRDV SPPQEMSQED LKEKNLINSS LQEWAQAHAV SHPNEIETVE LRKKKLTMRP LVLQKEESSR ELCNVNLGFL LPRSCLELNI SKSVTREDAP HFLKEQQRKS EEFSTSHMKY SGRSIKFLLP PLSLLPTRSG VLTIPQNHKF PKEKERNIPS LTSFVPKLSV SVRQSDELSP SNEPPGALVK SLMDPTLRSS DGFIWSRNMC SFPKTNHHRQ CLEKEENWKS KEIEECNKIE ITHFEKGQSL VSFENLKEGN IPAVREEDID CHGSKTRKPE EENSQYLSSR KNESSVAKNY EQDPEIVCTI PSKFQETQHS EITPSQDEEM RNNKAASKRV SLHKNEAMEP NNILEECTVL KSLSSVVFDD PIDKLPEGCS SMETNIKISI AERAKPEMSR MVPLIHITFP VDGSPKEPVI AKPSLQTRKG TIHNNHSVNI PVHQENDKHK MNSHRSKLDS KTKTSKKTPQ NFVISTEGPI KPTMHKTSIK TQIFPALGLV DPRPWQLPRF QKKMPQIAKK QSTHRTQKPK KQSFPCICKN PGTQKSCVPL SVQPTEPRLN YLDLKYSDMF KEINSTANGP

GIYEMFGTPV YCHVRETERD ENTYYREICS APSGRRITNK CRSSHSERKS NIRTRLSQKK THMKCPKTSF GIKQEHKVLI SKEKSSKAVH SNLHDIENGD GISEPDWQIK SSGNEFLSSK DEIHPMNLAQ TPEQSMKQNE FPPVSDLSIV EEVSMEESTG DRDISNNQIL TTSLRDLQEL EELHHQIPFI PSEDSWAVPS EKNSNKYVQQ EKQNTASLSK VNASRILTND LEFDSVSDHS KTLTNFSFQA KQESASSQTY QYWVHYLDHD SLANKSITYQ MFGKTLSGTN SISQEIMDSV NNEELTDELL GCLAAELLAL DEKDNNSCQK MANETDPENL NLVLRWRGST PKEMGRETTK VKIQRHSSGL RIYDREEKFL ISNEKKIFSE NSLKSEEPIL WTKGEILGKG AYGTVYCGLT SQGQLIAVKQ VALDTSNKLA AEKEYRKLQE EVDLLKALKH VNIVAYLGTC LQENTVSIFM EFVPGGSISS IINRFGPLPE MVFCKYTKQI LQGVAYLHEN CVVHRDIKGN NVMLMPTGII KLIDFGCARR LAWAGLNGTH SDMLKSMHGT PYWMAPEVIN ESGYGRKSDI WSIGCTVFEM ATGKPPLASM DRMAAMFYIG AHRGLMPPLP DHFSENAADF VRMCLTRDQH ERPSALQLLK HSFLERSH

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

Product Details

	produce something that functions like a cell, but without the constraints of a living system - 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) (Regulated in COPD, protein kinase) (SPS1/STE20-related protein kinase YSK4)
Molecular Weight:	150.5 kDa
UniProt:	Q56UN5

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

Application Details

	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 - all that's needed is the DNA that codes for the desired protein!
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