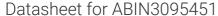
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PRAGMIN Protein (AA 1-1406) (His tag)



Image



Overview

Quantity:	1 mg
Target:	PRAGMIN (SGK223)
Protein Characteristics:	AA 1-1406
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRAGMIN protein is labelled with His tag.
Application:	ELISA, Western Blotting (WB), Crystallization (Crys), SDS-PAGE (SDS)

Product Details

Sequence:

MHQTLCLNPE SLKMSACSDF VEHIWKPGSC KNCFCLRSDH QLVAGPPQPR AGSLPPPPRL
PPRPENCRLE DEGVNSSPYS KPTIAVKPTM MSSEASDVWT EANLSAEVSQ VIWRRAPGKL
PLPKQEDAPV VYLGSFRGVQ KPAGPSTSPD GNSRCPPAYT MVGLHNLEPR GERNIAFHPV
SFPEEKAVHK EKPSFPYQDR PSTQESFRQK LAAFAGTTSG CHQGPGPLRE SLPSEDDSDQ
RCSPSGDSEG GEYCSILDCC PGSPVAKAAS QTAGSRGRHG GRDCSPTCWE QGKCSGPAEQ
EKRGPSFPKE CCSQGPTAHP SCLGPKKLSL TSEAAISSDG LSCGSGSGSG SGASSPFVPH
LESDYCSLMK EPAPEKQQDP GCPGVTPSRC LGLTGEPQPP AHPREATQPE PIYAESTKRK
KAAPVPSKSQ AKIEHAAAAQ GQGQVCTGNA WAQKAASGWG RDSPDPTPQV SATITVMAAH
PEEDHRTIYL SSPDSAVGVQ WPRGPVSQNS EVGEEETSAG QGLSSRESHA HSASESKPKE
RPAIPPKLSK SSPVGSPVSP SAGGPPVSPL ADLSDGSSGG SSIGPQPPSQ GPADPAPSCR
TNGVAISDPS RCPQPAASSA SEQRRPRFQA GTWSRQCRIE EEEEVEQELL SHSWGRETKN
GPTDHSNSTT WHRLHPTDGS SGQNSKVGTG MSKSASFAFE FPKDRSGIET FSPPPPPPKS

RHLLKMNKSS SDLEKVSQGS AESLSPSFRG VHVSFTTGST DSLASDSRTC SDGGPSSELA
HSPTNSGKKL FAPVPFPSGS TEDVSPSGPQ QPPPLPQKKI VSRAASSPDG FFWTQGSPKP
GTASPKLNLS HSETNVHDES HFSYSLSPGN RHHPVFSSSD PLEKAFKGSG HWLPAAGLAG
NRGGCGSPGL QCKGAPSASS SQLSVSSQAS TGSTQLQLHG LLSNISSKEG TYAKLGGLYT
QSLARLVAKC EDLFMGGQKK ELHFNENNWS LFKLTCNKPC CDSGDAIYYC ATCSEDPGST
YAVKICKAPE PKTVSYCSPS VPVHFNIQQD CGHFVASVPS SMLSSPDAPK DPVPALPTHP
PAQEQDCVVV ITREVPHQTA SDFVRDSAAS HQAEPEAYER RVCFLLLQLC NGLEHLKEHG
IIHRDLCLEN LLLVHCTLQA GPGPAPAPAP APAPAAAAPP CSSAAPPAGG TLSPAAGPAS
PEGPREKQLP RLIISNFLKA KQKPGGTPNL QQKKSQARLA PEIVSASQYR KFDEFQTGIL
IYELLHQPNP FEVRAQLRER DYRQEDLPPL PALSLYSPGL QQLAHLLLEA DPIKRIRIGE
AKRVLQCLLW GPRRELVQQP GTSEEALCGT LHNWIDMKRA LMMMKFAEKA VDRRRGVELE
DWLCCQYLAS AEPGALLQSL KLLQLL

Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.

Characteristics:

- Made in Germany from design to production by highly experienced protein experts.
- Human SGK223 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.
- 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 will ensure that you receive a correctly folded 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.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receival of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered. The concentration of our recombinant proteins is measured using the absorbance at 280nm. The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.

The concentration of the protein is calculated using its specific absorption coefficient. We use the Expasy's protparam tool to determine the absorption coefficient of each protein.

Product Details

Purification:	Two step purification of proteins expressed in baculovirus infected SF9 insect cells:
	1. In a first purification step, the protein is purified from the cleared cell lysate using three
	different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE.
	 Protein containing fractions of the best purification are subjected to second purification step
	through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and
	Western blot.
Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 μm filtered
Endotoxin Level:	Protein is endotoxin free.
Grade:	Crystallography grade
Target Details	
Target:	PRAGMIN (SGK223)
Alternative Name:	SGK223 (SGK223 Products)
Molecular Weight:	150.6 kDa Including tag.
UniProt:	Q86YV5
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 gurantee
	though.
Comment:	In cases in which it is highly likely that the recombinant protein with the default tag will be
	insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to
	increase solubility. We will discuss all possible options with you in detail to assure that you
	receive your protein of interest.
Restrictions:	For Research Use only
Handling	
Format:	Liquid

Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)

Images

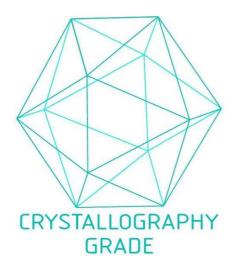


Image 1. "Crystallography Grade" protein due to multi-step, protein-specific purification process