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Datasheet for ABIN3086125 PJA2 Protein (AA 2-708) (His tag)

Image



Overview

Quantity:	1 mg
Target:	PJA2
Protein Characteristics:	AA 2-708
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PJA2 protein is labelled with His tag.
Application:	ELISA, Western Blotting (WB), Crystallization (Crys), SDS-PAGE (SDS)

Product Details

Sequence:	SQYTEKEPAA MDQESGKAVW PKPAGGYQTI TGRRYGRRHA YVSFKPCMTR HERSLGRAGD
	DYEVLELDDV PKENSSGSSP LDQVDSSLPS EPIFEKSETE IPTCGSALNQ TTESSQSFVA
	VHHSEEGRDT LGSSTNLHNH SEGEYIPGAC SASSVQNGIA LVHTDSYDPD GKHGEDNDHL
	QLSAEVVEGS RYQESLGNTV FELENREAEA YTGLSPPVPS FNCEVRDEFE ELDSVPLVKS
	SAGDTEFVHQ NSQEIQRSSQ DEMVSTKQQN NTSQERQTEH SPEDAACGPG HICSEQNTND
	REKNHGSSPE QVVRPKVRKL ISSSQVDQET GFNRHEAKQR SVQRWREALE VEESGSDDLL
	IKCEEYDGEH DCMFLDPPYS RVITQRETEN NQMTSESGAT AGRQEVDNTF WNGCGDYYQL
	YDKDEDSSEC SDGEWSASLP HRFSGTEKDQ SSSDESWETL PGKDENEPEL QSDSSGPEEE
	NQELSLQEGE QTSLEEGEIP WLQYNEVNES SSDEGNEPAN EFAQPAFMLD GNNNLEDDSS
	VSEDLDVDWS LFDGFADGLG VAEAISYVDP QFLTYMALEE RLAQAMETAL AHLESLAVDV
	EVANPPASKE SIDGLPETLV LEDHTAIGQE QCCPICCSEY IKDDIATELP CHHFFHKPCV
	SIWLQKSGTC PVCRRHFPPA VIEASAAPSS EPDPDAPPSN DSIAEAP

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 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. Or 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 cust made proteins from other companies is that there is no financial obligation in case the procannot be expressed or purified. In the unlikely event that the protein cannot be expressed or purified we do not charge an (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 express 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 experience 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 280. The protein's absorbance will be measured in several dilutions and is measured against i specific reference buffer. 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. 2. Protein containing fractions of the best purification are subjected to second purification 		Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a
 Human PJA2 Protein (raised in Insect Cells) purfiled by multi-step, protein-specific processure 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. Cexperts 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 cust made proteins from other companies is that there is no financial obligation in case the presence of purfield. In the unlikely event that the protein cannot be expressed or purfied we do not charge an (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 express experiments or purfication 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 experienco protein experts will do everything to make sure that you receive the protein you ordered. The concentration of the protein is calculated using its specific absorption coefficient. With the Expasy's protparam tool to determine the absorption coefficient of each protein. Purfication: Two step purfication of proteins expressed in baculovirus infected SF9 insect cells: In a first purification of the cortein is purfiled from the cleared cell lysate using three fractions are analyzed by SDS-PAGE. Protein containing fractions of the best purification are subjected to second purfilicatio through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE at Western blot. 		special request, please contact us.
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The big advantage of ordering our made-to-order proteins in comparison to ordering cust made proteins from other companies is that there is no financial obligation in case the pr cannot be expressed or purified. In the unlikely event that the protein cannot be expressed or purified we do not charge an (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 express 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 experience protein experts will do everything to make sure that you receive the protein you ordered. The protein's absorbance will be measured in several dilutions and is measured against i specific reference buffer. The concentration of the protein is calculated using its specific absorption coefficient. We the Expasy's protparam tool to determine the absorption coefficient of each protein.Purification:Two step 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. 2. Protein containing fractions of the best purification are subjected to second purification through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE.Purity:>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.Sterility:0.22 µm filteredEndotoxin Level:Protein is endotoxin free.		This protein is a made to order protein and will be made for the first time for your order. Our
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Endotoxin Level: Protein is endotoxin free.		
Grade: Crystallography grade	Endotoxin Level:	Protein is endotoxin free.
	Grade:	Crystallography grade

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Target Details	
Target:	PJA2
Alternative Name:	PJA2 (PJA2 Products)
Background:	Has E2-dependent E3 ubiquitin-protein ligase activity. Responsible for ubiquitination of cAMP- dependent protein kinase type I and type II-alpha/beta regulatory subunits and for targeting them for proteasomal degradation. Essential for PKA-mediated long-term memory processes. {ECO:0000269 PubMed:12036302, ECO:0000269 PubMed:21423175}.
Molecular Weight:	79.0 kDa Including tag.
UniProt:	043164
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:	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
Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value 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:	Unlimited (if stored properly)

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

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