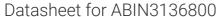
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ADCY4 Protein (AA 1-1077) (rho-1D4 tag)





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Overview

Quantity:	1 mg
Target:	ADCY4
Protein Characteristics:	AA 1-1077
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ADCY4 protein is labelled with rho-1D4 tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), Crystallization (Crys), ELISA

Product Details

Sequence:

MARLFSPRPP PSEDLFYETY YSLSQQYPLL ILLLVIVLCA LVALPAVAWA SGRELTSDPS
FLTTVLCALG GFSLLLGLAS REQQLQRWTR PLSGLIWVAL LALGYGFLFT GGVVSAWDQV
SFFLFIIFTV YAMLPLGMRD AAAAGVISSL SHLLVLGLYL GWQPESQRAL LPQLAANAVL
FLCGNVVGAY HKALMERALR ATFREALSSL HSRRRLDTEK KHQEHLLLSI LPAYLAREMK
AEIMARLQAG QRSRPENTNN FHSLYVKRHQ GVSVLYADIV GFTRLASECS PKELVLMLNE
LFGKFDQIAK EHECMRIKIL GDCYYCVSGL PLSLPDHAIN CVRMGLDMCR AIRKLRVATG
VDINMRVGVH SGSVLCGVIG LQKWQYDVWS HDVTLANHME AGGVPGRVHI TGATLALLAG
AYAVERADTE HRDPYLRELG EPTYLVIDPR AEEEDEKGTA KGLLSSLEGH TMRPSLLMTR
YLESWGAAKP FAHLSHLDSP VSTSTPLPEK AFSPQWSLDR SRTPRGLDDE LDTGDAKFFQ
VIEQLNSQKQ WKQSKDFNLL TLYFREKEME KQYRLSALPA FKYYAACTFL VFLSNFTIQM
LVTTRPPALI ITYSITFLLF FLLLFVCFSE HLTKCVQKGP KMLHWLPALS VLVATRPGFR
VALGTATILL VFTMAIASLL FLPVSSDCLF LASNVSSVTF NASWEMPGSL PLISIPLISI

PYSMHCCVLG FLSCSLFLHM SFELKLLLL LWLVASCSLF LHSHAWLSDC LIARLYQSPS
DSRPGVLKEP KLMGAIYFFI FFFTLLVLAR QNEYYCRLDF LWKKKLRQER EETETMENLT
RLLLENVLPA HVAPQFIGQN RRNEDLYHQS YECVCVLFAS VPDFKEFYSE SNINHEGLEC
LRLLNEIIAD FDELLSKPKF SGVEKIKTIG STYMAATGLN ATSGQDTQQD SERSCSHLGT
MVEFAVALGS KLGVINKHSF NNFRLRVGLN HGPVVAGVIG AQKPQYDIWG NTVNVASRME
STGVLGKIQV TEETARALQS LGYTCYSRGS IKVKGKGELC TYFLNTDLTR TGSPSAS

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.
- Mouse Adcy4 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.

Purification:

Three step purification of membrane proteins expressed in baculovirus infected SF9 insect cells:

- 1. Membrane proteins are fractioned by ultracentrifugation and subsequently solubilized with different detergents (detergent screen). Samples are analyzed by Western blot.
- 2. The best performing detergent is used for solubilization and the proteins are purified via their rho1D4 tag via two rho1D4 antibody columns: one DTT resistant, the other one not. Eluate

I to second purification step yzed by SDS-PAGE and y and Western Blot.
y and Western Blot.
e to G-protein signaling.
Hormone Synthesis, cAMP
in mediated Events,
work for functional studies
t we cannot offer a gurantee
ghly likely that the
n lab may suggest a higher
/e will discuss all possible
interest.

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)

Images



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