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YWHAB Protein (AA 1-246) (His tag)



Image



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Overview	
Quantity:	1 mg
Target:	YWHAB
Protein Characteristics:	AA 1-246
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This YWHAB protein is labelled with His tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS), Crystallization (Crys)
Product Details	
Sequence:	MTMDKSELVQ KAKLAEQAER YDDMAAAMKA VTEQGHELSN EERNLLSVAY KNVVGARRSS
	WRVISSIEQK TERNEKKQQM GKEYREKIEA ELQDICNDVL ELLDKYLILN ATQAESKVFY
	LKMKGDYFRY LSEVASGENK QTTVSNSQQA YQEAFEISKK EMQPTHPIRL GLALNFSVFY

YEILNSPEKA CSLAKTAFDE AIAELDTLNE ESYKDSTLIM QLLRDNLTLW TSENQGDEGD AGEGEN 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 Ywhab Protein (raised in E. Coli) 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:

Two step purification of proteins expressed in bacterial culture:

- 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 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:

Endotoxin has not been removed. Please contact us if you require endotoxin removal.

Grade:

Crystallography grade

Target Details

Target:	YWHAB
Alternative Name:	Ywhab (YWHAB Products)
Background:	Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways. Binds to a large number of partners, usually by recognition of a
	phosphoserine or phosphothreonine motif. Binding generally results in the modulation of the

activity of the binding partner. Negative regulator of osteogenesis. Blocks the nuclear
translocation of the phosphorylated form (by AKT1) of SRPK2 and antagonizes its stimulatory
effect on cyclin D1 expression resulting in blockage of neuronal apoptosis elicited by SRPK2.
Negative regulator of signaling cascades that mediate activatation of MAP kinases via AKAP13
{ECO:0000250 UniProtKB:P31946}.
29.0 kDa Including tag.
Q9CQV8
Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling
Pathway, Myometrial Relaxation and Contraction, Maintenance of Protein Location
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.
Protein has not been tested for activity yet. 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.
For Research Use only
Liquid
100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value is at the discretion of the manufacturer.
Avoid repeated freeze-thaw cycles.
-80 °C
Store at -80°C.
Unlimited (if stored properly)

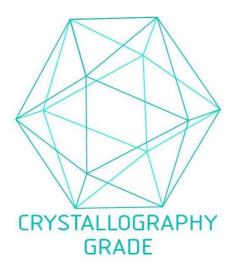


Image 1. "Crystallography Grade" protein due to multi-step, protein-specific purification process