

Datasheet for ABIN3135967
IKAP/p150 Protein (AA 1-1333) (His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	1 mg
Target:	IKAP/p150 (ELP1)
Protein Characteristics:	AA 1-1333
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IKAP/p150 protein is labelled with His tag.
Application:	ELISA, Western Blotting (WB), Crystallization (Crys), SDS-PAGE (SDS)

Product Details

Sequence:	MRNLKLHRTL EFRDIQAPGK PQCFLRAEQ GTVLIGSERG LTEVDPVRR VKTEISLVAE GFLPEDGSGC IVGIQDLLDQ ESVCVATASG DVIVCNLSTQ QLECVGSVAS GISVMSWSPD QELLLLATAQ QTLIMMTKDF EVIAEEQIHQ DDFGEGKFVT VGWGSQTQF HGSEGRPTAF PVQLPENALP WDDRRPHITW RGDGQYFAVS VVCRQTEARK IRVWNREFAL QSTSESVPGL GPALAWKPSG SLIASTQDKP NQQDVVFEEK NGLLHGHFTL PFLKDEVKVN DLLWNADSSV LAIWLEDLPK EDSSTLKSIV QLWTVGNYHW YLKQSLPFST TGKNQIVSLL WDPVTPCRLH VLCTGWRYLC CDWHWTDRS SGNSANDLAN VAVIDGNRVL VTVFRQTVVP PPMCTYRLLI PHPVNQVIFS AHLGNDLAVL DASNQISVYK CGDKPNMDST VKLGAVGGNG FKVPLTTPHL EKRYSIQFGN NEEEEEEVN ALQLSFLTWW EDDTFLAISY SHSSSQSIH HLTVTHSEVD EEQGQLDVSS SVTVDGVVIG LCCCSKTKSL AVQLADGQVL KYLWESPSLA VEPWKNSEGI PVRFVHPCTQ MEVATIGGEE CVLGLTDRCR FFINDTEVAS NITSFAVCDD FLLVTTHSHT CQVFSLSGAS LKMLQAALSG SHEASGEILR KVERGSRIVT VVPQDTKLIL QMPRGNLEV
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HHRALVLAQI RKWLDKLMFK EAFECMRKLR INLNLIHDHN PKVFLENVET FVKQIDSVNH
INLFFTELRE EDVTKTMYPP PITKSVQVST HPDGKKLDLI CDAMRAAMEA INPRKFCLSI
LTSHVKKTTP ELEIVLQKVQ ELQGNLPFDP ESVSVEEALK YLLLLVDVNE LFNHSLGTYD
FNLVLMVAEK SQKDPKEYLP FLNTLKKMET NYQRFTIDKY LKRYEKALGH LSKCGPEYFT
ECLNLIKDN LYKEALKLYR PDSPQYQAVS MAYGEHLMQE HLYEPAGLVF ARCGAQEKAL
EAFLACGSWQ QALCVAAQLQ MSKDKVAGLA RTLAGKLVEQ RKHSEAATVL EQYAQDYEEA
VLLLLLEGS AW EEALRLVYKY DRVDIETSV KPSILEAQKN YMDFLDSETA TFIRHKNRLQ
VVRALRRQAP QVHVDHEVAH GPESDLFSET SSIMSGSEMS GRYSHSNSRI SARSSKNRRK
AERKKHSLKE GSPLEGLALL EALSEVVQSV EKLKDEVRAI LKVLFLFEFE EQAKELQRAF
ESTLQLMERA VPEIWTPAGQ QSSTTPVLGP SSTANSITAS YQQQKTCVPA LDAGVYMPPK
MDPRSQWKLS LLE

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 Ikbkap 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 receipt 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 baculovirus infected SF9 insect cells:

Product Details

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 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: IKAP/p150 (ELP1)

Alternative Name: Ikbkap ([ELP1 Products](#))

Background: May act as a scaffold protein that may assemble active IKK-MAP3K14 complexes (IKKA, IKKB and MAP3K14/NIK). {ECO:0000250}., Acts as subunit of the RNA polymerase II elongator complex, which is a histone acetyltransferase component of the RNA polymerase II (Pol II) holoenzyme and is involved in transcriptional elongation. Elongator may play a role in chromatin remodeling and is involved in acetylation of histones H3 and probably H4. Involved in cell migration. Involved in neurogenesis (PubMed:19185337). Regulates the migration and branching of projection neurons in the developing cerebral cortex, through a process depending on alpha-tubulin acetylation (PubMed:19185337). {ECO:0000269|PubMed:19185337, ECO:0000269|PubMed:22854966}.

Molecular Weight: 150.5 kDa Including tag.

UniProt: [Q7TT37](#)

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: 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

Application Details

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)

Images



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