Datasheet for ABIN3093471

# ERBB2IP Protein (AA 1-1412) (His tag)

1 Image

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## Overview

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|---|---|
| Quantity: | 1 mg |
| Target: | ERBB2IP |
| Protein Characteristics: | AA 1-1412 |
| Origin: | Human |
| Source: | Insect Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This ERBB2IP protein is labelled with His tag. |
| Application: | ELISA, Western Blotting (WB), Crystallization (Crys), SDS-PAGE (SDS) |

## Product Details

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| Sequence: | MTTKRSLFVR LVPCRCLRGE EETVTTLDYS HCSLEQVPKE IFTFEKTLEE LYLDANQIEE LPKQLFNCQS LHKLSLPDND LTTLPASIAN LINLRELDVS KNGIQEFPEN IKNCKVLTIV EASVNPISKL PDGFSQLLNL TQLYLNDAFL EFLPANFGRL TKLQILELRE NQLKMLPKTM NRLTQLERLD LGSNEFTEVP EVLEQLSGLK EFWMDANRLT FIPGFIGSLK QLTYLDVSKN NIEMVEEGIS TCENLQDLLL SSNSLQQLPE TIGSLKNITT LKIDENQLMY LPDSIGGLIS VEELDCSFNE VEALPSSIGQ LTNLRTFAAD HNYLQQLPPE IGSWKNITVL FLHSNKLETL PEEMGDMQKL KVINLSDNRL KNLPFSFTKL QQLTAMWLSD NQSKPLIPLQ KETDSETQKM VLTNYMFPQQ PRTEDVMFIS DNESFNPSLW EEQRKQRAQV AFECDEDKDE REAPPREGNL KRYPTPYPDE LKNMVKTVQT IVHRLKDEET NEDSGRDLKP HEDQQDINKD VGVKTSESTT TVKSKVDERE KYMIGNSVQK ISEPEAEISP GSLPVTANMK ASENLKHIVN HDDVFEESEE LSSDEEMKMA EMRPPLIETS INQPKVVALS NNKKDDTKET DSLSDEVTHN SNQNNSNCSS PSRMSDSVSL NTDSSQDTSL CSPVKQTHID INSKIRQEDE NFNSLLQNGD ILNSSTEEKF |

KAHDKKDFNL PEYDLNVEER LVLIEKSVDS TATADDTHKL DHINMNLNKL ITNDTFQPEI MERSKTQDIV LGTSFLSINS KEETEHLENG NKYPNLESVN KVNGHSEETS QSPNRTEPHD SDCSVDLGIS KSTEDLSPQK SGPVGSVVKS HSITNMEIGG LKIYDILSDN GPQQPSTTVK ITSAVDGKNI VRSKSATLLY DQPLQVFTGS SSSSDLISGT KAIFKFDSNH NPEEPNIIRG PTSGPQSAPQ IYGPPQYNIQ YSSSAAVKDT LWHSKQNPQI DHASFPPQLL PRSESTENQS YAKHSANMNF SNHNNVRANT AYHLHQRLGP ARHGEMWAIS PNDRLIPAVT RSTIQRQSSV SSTASVNLGD PGSTRRAQIP EGDYLSYREF HSAGRTPPMM PGSQRPLSAR TYSIDGPNAS RPQSARPSIN EIPERTMSVS DFNYSRTSPS KRPNARVGSE HSLLDPPGKS KVPRDWREQV LRHIEAKKLE KKHPQTSSSG DPCQDGIFIS GQQNYSSATL SHKDVPPDSL MKMPLSNGQM GQPLRPQANY SQIHHPPQAS VARHPSREQL IDYLMLKVAH QPPYTQPHCS PRQGHELAKQ EIRVRVEKDP ELGFSISGGV GGRGNPFRPD DDGIFVTRVQ PEGPASKLLQ PGDKIIQANG YSFINIEHGQ AVSLLKTFQN TVELIIVREV SS

**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 ERBB2IP 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

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| Purification: | Two step purification of proteins expressed in baculovirus infected SF9 insect cells:<br>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.<br>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

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| Target: | ERBB2IP |
| Alternative Name: | ERBB2IP (ERBB2IP Products) |
| Background: | Acts as an adapter for the receptor ERBB2, in epithelia. By binding the unphosphorylated 'Tyr-1248' of receptor ERBB2, it may contribute to stabilize this unphosphorylated state (PubMed:16203728). Inhibits NOD2-dependent NF-kappa-B signaling and proinflammatory cytokine secretion (PubMed:16203728). {ECO:0000269\|PubMed:10878805, ECO:0000269\|PubMed:16203728}. |
| Molecular Weight: | 159.3 kDa Including tag. |
| UniProt: | Q96RT1 |
| Pathways: | EGFR Signaling Pathway, Asymmetric Protein Localization |

## Application Details

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| 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. |

## Application Details

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| Restrictions: | For Research Use only |

## Handling

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| 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

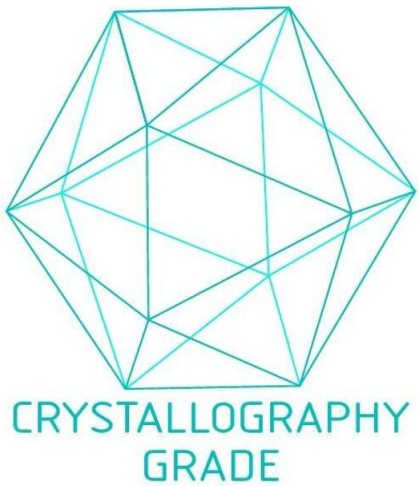


**Image 1.** „Crystallography Grade“ protein due to multi-step, protein-specific purification process