

Datasheet for ABIN3135983

ERBB2IP Protein (AA 1-1402) (Strep Tag)



[Go to Product page](#)

Overview

Quantity:	250 µg
Target:	ERBB2IP
Protein Characteristics:	AA 1-1402
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ERBB2IP protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	<p>MTTKRSLFVR LVPCRCLRGE EETVTTLDYS HCSLEQVPKE IFTFEKTL EE LYLDANQIEE</p> <p>LPKQLFNCQS LHKLSLPDND LTTLPASIAN LINLRELDVS KNGIQEFPEN IKNCKVLTIV</p> <p>EASVNPISKL PDGFSQLLNL TQLYLNDAFL EFLPANFGRL TKLQILELRE NQLKMLPKTM</p> <p>NRLTQLERLD LGSNEFTEVP EVLEQLSGLR EFWMDGNRLT FIPGFIGSLR QLTYLDVSKN</p> <p>NIEMVEEGIS TCENLQDFLL SSNSLQQLPE TIGSLKNVTT LKIDENQLMY LPDSIGGLRS</p> <p>IEELDCSFNE IEALPSSIGQ LTNMRTFAAD HNYLQQLPPE IGNWKNTIVL FLHCNKLET</p> <p>PEEMGDMQKL KVINLSDNRL KNLPFSFTKL QQLTAMWLSL NQSKPLIPLQ KETDTETQKM</p> <p>VLTNYMFPQQ PRTE DVMFIS DNESFNPALW EEQRKQRAQV AFECDEKDE REAPPREGNL</p> <p>KRYPTYPDE LKNMVKTVQT IVHRLKDEET NEESGRDLKQ HEDQQVVNKD KCVKTSESTT</p> <p>TKSKLDEREK YMNSVQKMSE PEAETNGGNL PVTASMKLSG NLKHIVNHDD VFESEELSS</p> <p>DEEMKMAEMR PPLIESSINQ PKVVALSNNK KDDAKDADSL SDEVTHNSNQ NNSNCSSPSR</p>

MSDSVSLNTD SSQDTS LCSP VKQTPVDSNS KVRQEDENFN SLLQNGVNLN NSPEEKFKIN
DKKDFKLPEY DLNIEEQLVL IEKDIDSKAT SDDSRQLDHI NMNINKLVTN NIFQPEVMER
SKMQDIVLGT GFLSIHPKNE AEHIENGAKF PNLESINKVN GLCEDTAPSP GRVEPQKASS
SADVGIKST EDLSPQRSGP TGAVVKSHSI TNMETGGLKI YDILGDDGPQ PPSAAVKIAS
AVDGKNIVRS KSATLLYDQP LQVFTAASSS SELLSGTKAV FKFDNSHNPE EPDIIRAATV
SGPQSTPHLY GPPQYNVQYS GSATVKDTLW HPKQNPQIDP VSFPPQRLPR SESAENHSYA
KHSANMNFSN HNNVRANTGY HLQQLAPAR HGEMWAISPN DRLVPAVTRT TIQRQSSVSS
TASVNLGDPT RTEGDYLSY RELHSMGRTP VMSGSQRPLS ARAYSIDGPN TSRPQSARPS
INEIPERTMS VSDFNYSRTS PSKRPNTRVG SEHSLDPPG KSKVPHDWRE QVLRHIEAKK
LEKHPQTSSP GECCQDDRFRM SEEQNHPGSA LSHRGLPDSL MKMPLSNGQM GQPLRPQAHY
SQTHPPQAS VARHPSREQL IDYLMKVAH QPPYTHPHCS PRQGHELAQ EIRVRVEKDP
ELGFSISGGV GGRGNPFRPD DDGIFVTRVQ PEGPASKLLQ PGDKIIQANG YSFINIEHGQ
AVSLLKTFHN AVDLIIVREV SS

Sequence without tag. The proposed Strep-Tag is based on experience s with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Characteristics:

Key Benefits:

- Made in Germany - from design to production - by highly experienced protein experts.
- Protein expressed with ALiCE® and purified in one-step affinity chromatography
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- 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 try to ensure that you receive soluble 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.

Expression System:

- ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from *Nicotiana tabacum* c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the

Product Details

mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

Concentration:

- The concentration of our recombinant proteins is measured using the absorbance at 280nm.
- The protein's absorbance will be measured against its specific reference buffer.
- We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.

Purification:	One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®).
Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made

Target Details

Target:	ERBB2IP
Alternative Name:	Erbin (ERBB2IP Products)
Background:	Erbin (Densin-180-like protein) (Erb2-interacting protein) (Protein LAP2),FUNCTION: Acts as an adapter for the receptor ERBB2, in epithelia. By binding the unphosphorylated ERBB2 'Tyr-1248' receptor, it may contribute to stabilize this unphosphorylated state (By similarity). Inhibits NOD2-dependent NF-kappa-B signaling and pro-inflammatory cytokine secretion (PubMed:16203728). {ECO:0000250 UniProtKB:Q96RT1, ECO:0000269 PubMed:16203728}.
Molecular Weight:	157.2 kDa
UniProt:	Q80TH2
Pathways:	EGFR Signaling Pathway , Asymmetric Protein Localization

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:	ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from

Application Details

Nicotiana tabacum c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.

During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer. Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol Might differ depending on protein.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months