

Datasheet for ABIN3134815  
**IKZF1 Protein (AA 1-517) (His tag)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	1 mg
Target:	IKZF1
Protein Characteristics:	AA 1-517
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IKZF1 protein is labelled with His tag.
Application:	ELISA, Western Blotting (WB), Crystallization (Crys), SDS-PAGE (SDS)

## Product Details

Sequence:	MDVDEGQDMS QVSGKESPPV SDTPDEGDEP MPVPEDLSTT SGAQQNSKSD RGMGSNVKVE TQSDEENGRA CEMNGEECAE DLRMLDASGE KMNGSHRDQG SSALSGVGGI RLPNGKCLKCD ICGIVCIGPN VLMVHKRSHT ERPFQCNQCG ASFTQKGNLL RHIKLHSGEK PFKCHLCNYA CRRRDALTGH LRTHSVGKPH KCGYCGRSYK QRSSLEEHEKE RCHNYLESMS LPGVCPVIKE ETNHNEMAED LCKIGAERSL VLDRLASNVA KRKSSMPQKF LGDKCLSDMP YDSANYEKED MMTSHVMDQA INNAINYLGA ESLRPLVQTP PGSSEVVPVI SSMYQLHKPP SDGPPRSNHS AQDAVDNLLL LSKAKSVSSE REASPSNSCQ DSTDTESNAE EQRSGLIYLT NHINPHARNG LALKEEQRAY EVLRAASENS QDAFRVVSTS GEQLKVYKCE HCRVLFLDHV MYTIHMGCHG CHGFRDPFEC NMCYHSQDR YEFSSHITRG EHRYHLS
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**Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.**

## Product Details

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- Characteristics:
- Made in Germany - from design to production - by highly experienced protein experts.
  - Mouse Ikzf1 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:
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:	IKZF1
Alternative Name:	Ikzf1 ( <a href="#">IKZF1 Products</a> )
Background:	<p>Transcription regulator of hematopoietic cell differentiation. Binds gamma-satellite DNA. Binds with higher affinity to gamma satellite A. Plays a role in the development of lymphocytes, B- and T-cells. Binds and activates the enhancer (delta-A element) of the CD3-delta gene. Repressor of the TDT (terminal deoxynucleotidyltransferase) gene during thymocyte differentiation.</p> <p>Regulates transcription through association with both HDAC-dependent and HDAC-independent complexes. Targets the 2 chromatin-remodeling complexes, NuRD and BAF (SWI/SNF), in a single complex (PYR complex), to the beta-globin locus in adult erythrocytes.</p> <p>Increases normal apoptosis in adult erythroid cells (By similarity). Confers early temporal competence to retinal progenitor cells (RPCs). Function is isoform-specific and is modulated by dominant-negative inactive isoforms (By similarity). {ECO:0000250 UniProtKB:Q13422, ECO:0000269 PubMed:11003653, ECO:0000269 PubMed:1439790, ECO:0000269 PubMed:15024069, ECO:0000269 PubMed:15767674, ECO:0000269 PubMed:16369973, ECO:0000269 PubMed:18223295, ECO:0000269 PubMed:18940586}.</p>
Molecular Weight:	58.3 kDa Including tag.
UniProt:	<a href="#">Q03267</a>
Pathways:	<a href="#">Production of Molecular Mediator of Immune Response</a>

## 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 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
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## Handling

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