

Datasheet for ABIN3078896

**DLK1 Protein (AA 24-383) (rho-1D4 tag,MBP tag)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	0.5 mg
Target:	DLK1
Protein Characteristics:	AA 24-383
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DLK1 protein is labelled with rho-1D4 tag,MBP tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB), ELISA, Crystallization (Crys)

## Product Details

Sequence:	<b>MKTEEGKLV I WINGDKGYNG LAEVGKKFEK DTGIKVTVEH PDKLEEKFPQ VAATGDGPDI</b> <b>IFWAHDRFGG YAQSGLLAEI TPDKAFQDKL YPFTWDAVRY NGKLIAYPIA VEALSLIYNK</b> <b>DLLPNPPKTW EEIPALDKEL KAKGKSALMF NLQEPYFTWP LIAADGGYAF KYENGKYDIK</b> <b>DVGVDNAGAK AGLTFLVDLI KNKHMNADTD YSIAEAAFNK GETAMTINGP WAWSNIDTSK</b> <b>VNYGVTVLPT FKGQPSKPFV GVLSAGINAA SPNKELAKEF LENYLLTDEG LEAVNKDKPL</b> <b>GAVALKSYYE ELAKDPRIAA TMENAQKGEI MPNIPQMSAF WYAVRTAVIN AASGRQTVDE</b> <b>ALKDAQTGGG SGGGSENLYF QSAAAAECFPACNPQ NGFCEDDNVC RCQPGWQGGL</b> CDQCVTSPGC LHGLCGEPGQ CICTDGWDGE LCDRDVRACS SAPCANNRTC VSLDDGLYEC SCAPGYSGKD CQKKDGPCVI NGSPCQHGGT CVDDEGRASH ASCLCPPGFS GNFCEIVANS CTPNPCENDG VCTDIGGDFR CRCPAGFIDK TCSRPTVNCA SSPCQNGGTC LQHTQVSYEC LCKPEFTGLT CVKKRALSPQ QVTRLPSGYG LAYRLTPGVH ELPVQQPEHR ILKVSMKELN KKTPLLTEGQ AICFTILGVL TSLVVLGTVG IVFLNKCETW VSNLRYNHML RKKKNLLLLQY
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NSGEDLAVNI IFPEKIDMTT FSKEAGDEEI**GSSGTETSQVAPA**

**N-terminal MBP-tag, C-terminal Rho1D4**

Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Human DLK1 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:

The protein is purified from the cleared cell lysate using MBP-tag capture materials. Eluate fractions are analyzed by SDS-PAGE.

Protein containing fractions are subjected to a 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:	DLK1
Alternative Name:	DLK1 ( <a href="#">DLK1 Products</a> )
Background:	May have a role in neuroendocrine differentiation.
Molecular Weight:	40.0 kDa Including tag.
UniProt:	<a href="#">P80370</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.
Restrictions:	For Research Use only

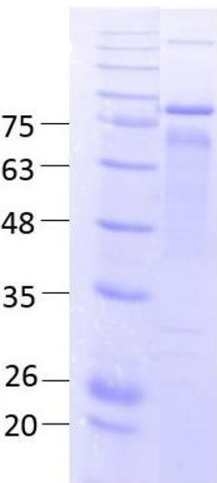
## Handling

Format:	Liquid
Buffer:	in solution (20 mM Tris, pH 7.4, 100 mM NaCl, 10% Glycerin)
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)

## Images

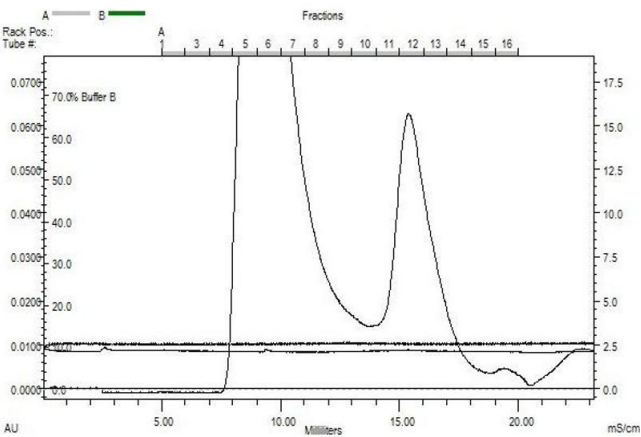


**Image 1.** „Crystallography Grade“ protein due to multi-step, protein-specific purification process



#### SDS-PAGE

**Image 2.** Delta-Like 1 Homolog (DLK1) (AA 24 -383), fraction 12



#### Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 3.** Delta-Like 1 Homolog (DLK1) (AA 24 -383) gel filtration Superose 6 fraction 12

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3078896.