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Datasheet for ABIN7559715

**Dolichol Kinase Protein (DOLK) (AA 1-534) (His tag)**

## Overview

Quantity:	1 mg
Target:	Dolichol Kinase (DOLK)
Protein Characteristics:	AA 1-534
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Dolichol Kinase protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Dolk Protein expressed in mammalian cells.
Sequence:	<p>MTRQCPPQES GAALSGSVLA EAAVFAVL SIHAAVWDY SWCAVALAVQ AFYVQYKWDR LLQQGNAVQ FRMSANGLL PASMVMPLLG LVMKERCQTA GNPYFERFGI VVAATGMAVA LFSSVLALGI TRPVPTNTCA ISGLAGGVII YIMRHLSLVG EVIEVLEVLL IFVYLNMILL YLLPRCFTPG EALLVLGGIS FVLNQLIKRS LTESQGDVDF FLLVVVGM VLMGVFFSTL FVFMDSGTWA SSIFFHLMTC VLGLGVVLPW LHWLIRRNP L WLLQFLFYT ETRIYLLAYW SLLASVACLV VLYQNAKRSS SESKKHRAPT ITRKYFHFIV VATYIPGIIF DRPLLYVAAT VCLAVFIFLE YVRYFRIKPL GHTLRSLLSL FLDERDSGPL ILTHIYLLLG MSLPIWLIPR PCTQKDSLEG ARALVPYAGV LAVGVGDTVA SIFGSTMGEI RWPGTGKTFE GTMTSIFAQI ISVALILIFD SGVDLNYSYA WILGSISTVS LLEAYTTQID NLLLPLYLLI LLMA <b>Sequence without tag. The proposed Purification-Tag is based on experiences 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.</b></p>

## Product Details

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**Specificity:** If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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**Characteristics:** **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- 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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

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**Purity:** > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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**Grade:** custom-made

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## Target Details

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**Target:** Dolichol Kinase (DOLK)

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**Alternative Name:** Dolk ([DOLK Products](#))

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**Background:** Dolichol kinase (EC 2.7.1.108) (Transmembrane protein 15),FUNCTION: Catalyzes CTP-mediated phosphorylation of dolichol, the terminal step in de novo dolichyl monophosphate (Dol-P) biosynthesis. Dol-P is a lipid carrier essential for the synthesis of N-linked and O-linked oligosaccharides and for GPI anchors. {ECO:0000250|UniProtKB:Q9UPQ8}.

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**Molecular Weight:** 59.1 kDa

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**UniProt:** [Q8R2Y3](#)

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## Application Details

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**Application Notes:** We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition 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: 12 months