

Datasheet for ABIN7547226

## Dolichol Kinase Protein (DOLK) (AA 1-538) (His tag)



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### Overview

Quantity:	1 mg
Target:	Dolichol Kinase (DOLK)
Protein Characteristics:	AA 1-538
Origin:	Human
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>MTRECPSPAP GPGAPLSGSV LAEAAVFAV VLSIHATVWD RYSWCAVALA VQAFYVQYKW</p> <p>DRLLQGSASV FQFRMSANSQ LLPASMVMPL LGLVMKERCQ TAGNPFFERF GIVVAATGMA</p> <p>VALFSSVLAL GITRPVPTNT CVILGLAGGV IYIMKHSLS VGEVIEVLEV LLIFVYLNMI LLYLLPRCFT</p> <p>PGEALLVLGG ISFVLNQLIK RSLTLVESQG DPVDFFLLVV VVGMVLMGIF FSTLFVFMDS</p> <p>GTWASSIFFH LMTCVLSLGV VLPWLHRLIR RNPLLWLLQF LFQTDTRIYL LAYWSLLATL</p> <p>ACLVVLYQNA KRSSSESKKH QAPTIARKYF HLIVVATYIP GIIFDRPLLY VAATVCLAVF</p> <p>IFLEYVRYFR IKPLGHTLRS FLSLFLDERD SGPLILTHIY LLLGMSLPIW LIPRPCTQKG</p> <p>SLGGARALVP YAGVLAVGVG DTVASIFGST MGEIRWPGTK KTFEGTMTSI FAQIISVALI</p> <p>LIFDSGVDLN YSYAWILGSI STVSLLEAYT TQIDNLLLPL YLLILLMA <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

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.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

## Target Details

Target:	Dolichol Kinase (DOLK)
Alternative Name:	DOLK ( <a href="#">DOLK Products</a> )
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 (PubMed:12213788, PubMed:16923818, PubMed:17273964). Dol-P is a lipid carrier essential for the synthesis of N-linked and O-linked oligosaccharides and for GPI anchors (PubMed:12213788). {ECO:0000269 PubMed:12213788, ECO:0000269 PubMed:16923818, ECO:0000269 PubMed:17273964}.
Molecular Weight:	59.3 kDa
UniProt:	<a href="#">Q9UPQ8</a>

## Application Details

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.
Restrictions:	For Research Use only

## Handling

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