

Datasheet for ABIN7544381  
**TLCD2 Protein (AA 1-264) (His tag)**



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## Overview

Quantity:	1 mg
Target:	TLCD2
Protein Characteristics:	AA 1-264
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TLCD2 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant TLCD2 Protein expressed in mammalian cells.
Sequence:	<p>MAPTGLLVAG ASFLAFRGLH WGLRRLPTPE SAARDRWQWW NLCVSLAHS LSGTGALLGL SLYPQMAADP IHGHPRWALV LVAVSVGYFL ADGADLLWNQ TLGKTWDLIC HHLVVVSCLS TAVLSGHYVG FSMVSLLEL NSACLHLRKL LLSRQAPSL AFSVTSWASL ATLALFRLVP LGWMSLWLFQ QHHQVPLALV TLGGIGLVTV GIMSILGIR ILVNDVLQSR PHPPSPGHEK TRGTRRRDN GPVTSNSSTL SLKD <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>
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></ul>

## Product Details

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- 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)
Grade:	custom-made

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## Target Details

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Target:	TLCD2
Alternative Name:	TLCD2 ( <a href="#">TLCD2 Products</a> )
Background:	TLC domain-containing protein 2,FUNCTION: Regulates the composition and fluidity of the plasma membrane (PubMed:30509349). Inhibits the incorporation of membrane-fluidizing phospholipids containing omega-3 long-chain polyunsaturated fatty acids (LCPUFA) and thereby promotes membrane rigidity (PubMed:30509349). Does not appear to have any effect on LCPUFA synthesis (PubMed:30509349). {ECO:0000269 PubMed:30509349}.
Molecular Weight:	28.7 kDa
UniProt:	<a href="#">A6NGC4</a>

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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.
Restrictions:	For Research Use only

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## 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