

Datasheet for ABIN7558300

ENKD1 Protein (AA 1-346) (His tag)



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Overview

Quantity:	1 mg
Target:	ENKD1
Protein Characteristics:	AA 1-346
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ENKD1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Enkd1 Protein expressed in mammalian cells.
Sequence:	<p>MCEGPSRISG PIPDPDTLCP DYYRRPASAQ GRLEGNALKL DLLTSGRDLD SSPPRGPRIR</p> <p>PEAREILERG QRGVGDVLLQ LGCISLGSGV SPKRKNPKDH EKENLRRIKE IQRRFQDQER</p> <p>SREQGQPKPL KALWRSPKYD NVESRVKARM KELGPTSVTE PAHFLRAHSR CGPGLPPSRA</p> <p>SSPQLALPGP QAKGPGLGVD FISRNALAAK RAPRRHSRSL QVLAQVQEQQ RQAQERYNAT</p> <p>QKGHVPHYLL ERRDLWRKEA EARQRSQPDP SMPPGHTLMP ENQRLETLNN LLQSQSQLLR</p> <p>ELVLLPAGAD SLRAQGHRAE LDRKLVQIEE AIKIFSRPKV FVKMDT 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.</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:	Key Benefits:

Product Details

- 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.

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

Target Details

Target:	ENKD1
Alternative Name:	Enkd1 (ENKD1 Products)
Background:	Enkurin domain-containing protein 1,FUNCTION: Microtubule-binding protein which regulates microtubule organization and stability (By similarity). Promotes the stability of astral microtubules and facilitates the proper orientation of the mitotic spindle (By similarity). This allows the oriented division of basal keratinocytes and contributes to epidermal stratification (PubMed:35197565). Required for the assembly of both primary and motile cilia (PubMed:35301795, PubMed:35072334). Destabilizes the interaction between CCP110 and CEP97 by competing with CEP97 for binding to CCP110 which promotes the removal of CCP110 and CEP97 from the mother centriole and allows the initiation of ciliogenesis (PubMed:35301795). {ECO:0000250 UniProtKB:Q9H0I2, ECO:0000269 PubMed:35072334, ECO:0000269 PubMed:35197565, ECO:0000269 PubMed:35301795}.
Molecular Weight:	39.0 kDa
UniProt:	Q7TSV9

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.
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Buffer:	The buffer composition is at the discretion of the manufacturer.
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Handling Advice:	Avoid repeated freeze-thaw cycles.
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Storage:	-80 °C
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Storage Comment:	Store at -80°C.
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Expiry Date:	12 months
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