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Datasheet for ABIN7558022

**FAM126A Protein (AA 1-521) (His tag)**

## Overview

Quantity:	1 mg
Target:	FAM126A
Protein Characteristics:	AA 1-521
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FAM126A protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Hycc1 Protein expressed in mammalian cells.
Sequence:	MFTSEIGVVE EWLSEFKTLP ETSLPNYATN LKDKSSLVTS LYKVIQEPQS ELLEPVCHQL FEFYRSGEEQ LLRFTLQFLP ELMWCYLAVS ASRDVHSSGC IEALLLGVYN LEIVDKHGH KVLSFTIPSL SKPSVYHEPS SIGSMALTES ALSQHGLSKV VYSGPHQRE MLTAQNRFEV LTFLLLCYNA ALTYMPSVSL QSLCQICSRI CVCGYPRQHV RKYRGVSSRI PISSGFMVQM LTGVYFAIYN GEWDLAQKAL DDIYRAQLE LYPELLVAN AIKASLPHGA MKSSKEGTRC IQVEITPTSS RISRNAVTSM SIRGHRWKRH GDELTEGQEE LMDITEVDEG FYSRAASST QSGLSNSSHN CSNKTSVGKN QRRSGGSKAG AKERETAGES CRDHFARKQT QRAQSENLEL LSLKRLTLTS SQSLPKPSSQ GLAKTAATVF SKSFEQVSGA PVPRSPSPAI GCVAGADANR FSACSLQEEK LIYVSETEL AVKCQAGQQG PPSISVTLA E <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>

## 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:** FAM126A

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**Alternative Name:** Hycc1 ([FAM126A Products](#))

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**Background:** Hyccin (Down-regulated by CTNNB1 protein A),FUNCTION: Component of a complex required to localize phosphatidylinositol 4-kinase (PI4K) to the plasma membrane. The complex acts as a regulator of phosphatidylinositol 4-phosphate (PtdIns(4)P) synthesis. HYCC1 plays a key role in oligodendrocytes formation, a cell type with expanded plasma membrane that requires generation of PtdIns(4)P. Its role in oligodendrocytes formation probably explains its importance in myelination of the central and peripheral nervous system. May also have a role in the beta-catenin/Lef signaling pathway. {ECO:0000250|UniProtKB:Q9BYI3}.

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**Molecular Weight:** 57.3 kDa

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**UniProt:** [Q6P9N1](#)

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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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Restrictions: For Research Use only

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## Handling

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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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