

[Go to Product page](#)

Datasheet for ABIN7562871

**ATP1B2 Protein (AA 1-290) (His tag)**

## Overview

Quantity:	1 mg
Target:	ATP1B2
Protein Characteristics:	AA 1-290
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATP1B2 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Atp1b2 Protein expressed in mammalian cells.
Sequence:	MVIQKEKKSC GQVVEEWKEF VWNPRTHQFM GRTGTSWAFI LLFYLVFYGF LTAMFSLTMW VMLQTVSDHT PKYQDRLATP GLMIRPKTEN LDVIVNISDT ESWGQHVQKL NKFLEPYNDS IQAQKNDVCR PGRYYEQPDN GVLNYPKRAC QFNRTQLGDC SGIGDPHTHYG YSTGQPCVFI KMNRVINFYA GANQSMNVTC VGKRDEDAEN LGHFVMFPAN GSIDLMYFPY YGKKFHVNYT QPLVAVKFLN VTPNVEVNVE CRINAANIAT DDERDKFAGR VAFKLRINKT <b>Sequence without tag.</b> <b>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>
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

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- 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)
Grade:	custom-made

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## Target Details

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Target:	ATP1B2
Alternative Name:	Atp1b2 ( <a href="#">ATP1B2 Products</a> )
Background:	Sodium/potassium-transporting ATPase subunit beta-2 (Adhesion molecule in glia) (AMOG) (Sodium/potassium-dependent ATPase subunit beta-2),FUNCTION: This is the non-catalytic component of the active enzyme, which catalyzes the hydrolysis of ATP coupled with the exchange of Na(+) and K(+) ions across the plasma membrane. The exact function of the beta-2 subunit is not known., FUNCTION: Mediates cell adhesion of neurons and astrocytes, and promotes neurite outgrowth.
Molecular Weight:	33.3 kDa
UniProt:	<a href="#">P14231</a>
Pathways:	<a href="#">Thyroid Hormone Synthesis</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.
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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