

Datasheet for ABIN7556577  
**ABCE1 Protein (AA 1-599) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ABCE1
Protein Characteristics:	AA 1-599
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ABCE1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Abce1 Protein expressed in mammalian cells.
Sequence:	MADKLTRIAI VNHDKCKPKK CRQECKKSCP VVRMGKLCIE VTPQSKIAWI SETLCIGCGI CIKKCPFGAL SIVNLP SNLE KETTHRYCAN AFKLHRLPIP RPGEVLGLVG TNGIGKSTAL KILAGKQKPN LGKYDDPPDW QEILTYFRGS ELQNYFTKIL EDDLKAIKP QYVDQIPKAA KGTVGSILDR KDETQTQAI V CQQLDLTHLK ERNVEDLSGG ELQRFACAVV CIQKADIFMF DEPSSYL DVK QRLKAAITIR SLINPDRYII VVEHDLSVLD YLSDFICCLY GVPSAYGVVT MPFSVREGIN IFLDGYVPTE NLRFRDASLV FKVAETANEE EVKKMCMYKY PGMKKKMGEF ELAIVAGEFT DSEIMV MLGE NGTGKTTFIR MLAGRLKPDE GGEV PVLNVS YKPKQISP KS TGSVRQLLHE KIRDAYTHPQ FVTDVMKPLQ IENIIDQEVQ T LSGGELQRV ALALCLGKPA DVYLIDEPSA YLDSEQRLMA ARVVKR FILH AKKTAFVVEH DFIMATY LAD RVIVFDGVP S KNTVANS PQT LLAGM NKFLS QLEITFRRDP NNYRPRINKL NSIKDVEQKK SGN YFFLDD

**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.**

## Product Details

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### **In case you have a special request, please contact us.**

**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:**

- 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

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**Target:** ABCE1

**Alternative Name:** Abce1 ([ABCE1 Products](#))

**Background:** ATP-binding cassette sub-family E member 1 (RNase L inhibitor) (EC 3.6.5.-) (Ribonuclease 4 inhibitor) (RNS4I),FUNCTION: Nucleoside-triphosphatase (NTPase) involved in ribosome recycling by mediating ribosome disassembly (By similarity). Able to hydrolyze ATP, GTP, UTP and CTP (By similarity). Splits ribosomes into free 60S subunits and tRNA- and mRNA-bound 40S subunits (By similarity). Acts either after canonical termination facilitated by release factors (ETF1/eRF1) or after recognition of stalled and vacant ribosomes by mRNA surveillance factors (PELO/Pelota) (By similarity). Involved in the No-Go Decay (NGD) pathway: recruited to stalled ribosomes by the Pelota-HBS1L complex, and drives the disassembly of stalled ribosomes, followed by degradation of damaged mRNAs as part of the NGD pathway (By similarity). Also plays a role in quality control of translation of mitochondrial outer membrane-localized mRNA

## Target Details

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(By similarity). As part of the PINK1-regulated signaling, ubiquitinated by CNOT4 upon mitochondria damage, this modification generates polyubiquitin signals that recruit autophagy receptors to the mitochondrial outer membrane and initiate mitophagy (By similarity). RNASEL-specific protein inhibitor which antagonizes the binding of 2-5A (5'-phosphorylated 2',5'-linked oligoadenylates) to RNASEL (PubMed:10866653). Negative regulator of the anti-viral effect of the interferon-regulated 2-5A/RNASEL pathway (By similarity).  
{ECO:0000250|UniProtKB:P61221, ECO:0000269|PubMed:10866653}.

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Molecular Weight: 67.3 kDa

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UniProt: [P61222](#)

## 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

## 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