



[Go to Product page](#)

Datasheet for ABIN3136597

## ABCA6 Protein (AA 1-1624) (Strep Tag)

### Overview

Quantity:	1 mg
Target:	ABCA6
Protein Characteristics:	AA 1-1624
Origin:	Mouse
Source:	Tobacco ( <i>Nicotiana tabacum</i> )
Protein Type:	Recombinant
Purification tag / Conjugate:	This ABCA6 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Sequence:	MKELSVHVRQ QTRALLHKIL LKKWRRKRES LLEWSIPIII GLHMGLFSYL ARNIQVLEVP PQDLGSLNEF NGSSLVVVYT PISNITQQIM NKTTFAPTMK GTRIIQVPSI EDLDEVLLHN IPDALGVIFN DSFSYQLKVL RMYGNPFLKE DLLAHCWDTH SQAFCLSKY WERGFVALQT AINAGIEVT TNHSVMEELM SIDGINMKTL PFIPRDLSY EIFILFCLLY FSSFIYFASS NVTKERKQCK EVMKVMGLQD SAFWLSWGLI YVGFIFIISI FIAIITSTQ IIMMTGFLVI FTLFFLYGLS LIAVTFLMAV LLQKAVLTNL IVLFFTLFWG CVGFTVLHKE LPPSLEWVLS IFSPFAFTSG MAKVIFQDYN LNGVVPDPS GESYVMIAVF FILAFDSLLY LVLALYFDKI LLYGAEHRSA PLFFLNPTSC FRKTANRNKV IERDLPELP SDEYFEPVDP EYQGKEAIRI RNIKKEYKGG SGKVKALKGL FLDIYESQIT AILGHSGAGK SLLNILSGL YVPTAGSVTV YNKNLSDMQD LKEIRKAIGV CPQHNQFDA LTVKENLTLF AKIKGILPQD VEQEVQIQLS ELDMQNIRDD LAEHLSEGQK RKLTFGIATV GDPQILLLDE PTVGLDPFSR QRIWGFLKER RADHVILFST QFMDEADILA DRKVLINGA LKCTGSSVFL KRKWGLGYHL SLFMDETCDS ERLTSFINHH
-----------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

IPYAKLKAKT KEKLVYILPL ERTSEFPEFF SDLDKYSGQG LMSYEVSMST LNDVFLNLEG  
EPSTKQDFEK RETATDSESL NDMEVAYPSL SQVQETVSTM SLWRMQVCAI ARLRILKLR  
ERKAFLIILL LLGIALPLV IEYVANALLE VKNNWEFKTD LYFLSPGQLP QGLRTSLLVI  
NNTESNIEDF LQSLKHQIV LEVDDFENRN ATNSLSYNGA IIVSGRQKDY RFSAVCNTKR  
LHCFILMNV ISNGILHMLN HTQYIRIKED IFSPFIVLVW TGIQETCLFI LCVICLSLPH  
IAMSSVSDYK KKADSQLWIS GLYPSAYWCG QAVVDISLFS GMLLTSYFTS YTSKLLNIDM  
TSEIVFSVIV LALGCAASLV FLTYVISFVF GKRKKNSTLW SICFLLVIAI TFEKVANGPF  
NEALVISATM LVPSFALNGL LVVLEMRAYQ YYIEFEEIKH GLSAVDLLLC LIPYIHTLLF  
IFVLRCLELK YGKNVRRDP IFRIAPQSLK AQPPEEPID EDENVQAERL RTSDALSTPN  
LDEKPVIIAS CLHKEYAGQK KHCCSRTRN MAVRNVFCV NKGEILGLLG PDGAGKSSSI  
RMIAGITKPT AGQVELKRLS SAVGHQGDSR AEFGYCPQEN GLWPNLTVKE HLELYAAVKG  
LRKEDAVVAI SRLVNALKLH DQLNVQVQNL VAGATRKLFC VLSILGNLSPV LILDEPSTGL  
DVSGKHQVWQ AIQAVVKDNE KGVLLSTHDL AEAEALCDRA AIMVSGRLRC IGPIQHLKRK  
FGQDYVLELR VKDVSQEPLV HREILKLPQ AARQDRCFSL LTYKLPVTDV HPLSQAFHKL  
EAVKHGFDLE DYSLSQCTLD RVILELSKEQ ELGTVYEEAD MTLGRKLLPP SDEL

**Sequence without tag. The proposed Strep-Tag is based on experience s 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.**

---

Characteristics:

Key Benefits:

- Made in Germany - from design to production - by highly experienced protein experts.
- Protein expressed with ALiCE® and purified by multi-step, protein-specific process to ensure correct folding and modification.
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- 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 will ensure that you receive a correctly folded protein.

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.

Expression System:

- ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from *Nicotiana tabacum* c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-

## Product Details

---

translational modifications.

- During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

Concentration:

- The concentration of our recombinant proteins is measured using the absorbance at 280nm.
- The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.
- We use the Expasy's protparam tool to determine the absorption coefficient of each protein.

---

Purification:	Two step purification of proteins expressed in Almost Living Cell-Free Expression System (ALICE®): <ol style="list-style-type: none"><li>1. In a first purification step, the protein is purified from the cleared cell lysate using StrepTag capture material. Eluate fractions are analyzed by SDS-PAGE.</li><li>2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.</li></ol>
Purity:	≥ 80 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Endotoxin Level:	Low Endotoxin less than 1 EU/mg (< 0.1 ng/mg)

---

## Target Details

---

Target:	ABCA6
Alternative Name:	Abca6 ( <a href="#">ABCA6 Products</a> )
Background:	ATP-binding cassette sub-family A member 6 (EC 7.6.2.-),FUNCTION: Probable transporter which may play a role in macrophage lipid transport and homeostasis. {ECO:0000250 UniProtKB:Q8N139}.
Molecular Weight:	183.3 kDa
UniProt:	<a href="#">Q8K441</a>

---

## Application Details

---

**Application Notes:** In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

---

**Comment:** ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from *Nicotiana tabacum* c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.

During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

---

**Restrictions:** For Research Use only

---

## Handling

---

**Format:** Liquid

---

**Buffer:** The buffer composition is at the discretion of the manufacturer. If you have a special request, please contact us.

---

**Handling Advice:** Avoid repeated freeze-thaw cycles.

---

**Storage:** -80 °C

---

**Storage Comment:** Store at -80°C.

---

**Expiry Date:** Unlimited (if stored properly)

---