

# Recombinant Human ATCAY Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** ATCAY-2816H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | ATCAY MS Standard C13 and N15-labeled recombinant protein (NP_149053) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | This gene encodes a neuron-restricted protein that contains a CRAL-TRIO motif common to proteins that bind small lipophilic molecules. Mutations in this gene are associated with cerebellar ataxia, Cayman type.                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | 42.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | MGTTEATLRMENVDVKEEWQDEDLPRPLPEETGVELLGSPVEDTSSPPNTLNFNGA<br>HRKRKTLVAPEINISLDQSEGSLLSDDFLDTPDDLINVDDIETPDETDLSLEFLGNGNE<br>LEWEDDTPVATAKNMPGDSADLFGDGTTEGSAANGRLWRTVIIGEQEHRIDLHMI<br>RPYMKVVTHGGYYGEGLNAIIVFAACFLPDSSLPDYHYIMENLFLYVISSLELLVAEDY<br>MIVYLNATPRRRMPGIGWLKKCYQMIDRRLRKNLKSIIIVHPSWFIRTVLAISRPFIS<br>VKFINKIQYVHSLEDLEQLIPMEHVQIPDCVLQYEEERLKARRESARPQPEFVLPSE<br>EKPEVAPVENRSALVSEDQETSMSTRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Stability</b>        | Stable for 3 months from receipt of products under proper storage and handling                                                                                                                                                                                                                                                                                                                                                          |

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conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** ATCAY ATCAY kinesin light chain interacting caytaxin [ Homo sapiens (human) ]

**Official Symbol** ATCAY

**Synonyms** ATCAY; ataxia, cerebellar, Cayman type; caytaxin; Cayman ataxia; ataxia cayman type protein; CLAC; BNIP-H; KIAA1872;

**Gene ID** 85300

**mRNA Refseq** NM\_033064

**Protein Refseq** NP\_149053

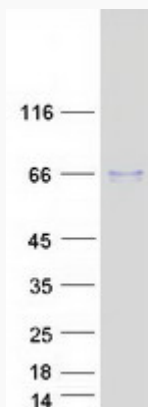
**MIM** 608179

**UniProt ID** Q86WG3

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**SDS-PAGE**

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