

## Recombinant Human ATAD3B, GST-tagged

**Cat. No.** ATAD3B-9955H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human ATAD3B protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                              |
| <b>Source</b>           | E.coli                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 1-270a.a.                                                                                                                                                                                                          |
| <b>Description</b>      | ATAD3A (MIM 612316) and ATAD3B are mitochondrial membrane proteins that contribute to the stabilization of large mitochondrial DNA (mtDNA)-protein complexes called nucleoids (He et al., 2007 [PubMed 17210950]). |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                                                                          |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.                                                  |

### GENE INFORMATION

|                        |                                                                 |
|------------------------|-----------------------------------------------------------------|
| <b>Gene Name</b>       | ATAD3B ATPase family, AAA domain containing 3B [ Homo sapiens ] |
| <b>Official Symbol</b> | ATAD3B                                                          |

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|                            |                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>            | ATAD3B; ATPase family, AAA domain containing 3B; ATPase family AAA domain-containing protein 3B; KIAA1273; TOB3; AAA-ATPase TOB3; AAA-TOB3; |
| <b>Gene ID</b>             | <a href="#">83858</a>                                                                                                                       |
| <b>mRNA Refseq</b>         | <a href="#">NM_031921</a>                                                                                                                   |
| <b>Protein Refseq</b>      | <a href="#">NP_114127</a>                                                                                                                   |
| <b>MIM</b>                 | <a href="#">612317</a>                                                                                                                      |
| <b>UniProt ID</b>          | <a href="#">Q5T9A4</a>                                                                                                                      |
| <b>Chromosome Location</b> | 1p36.33                                                                                                                                     |
| <b>Function</b>            | ATP binding; nucleoside-triphosphatase activity; nucleotide binding;                                                                        |

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