

## Recombinant Rat Atp5d, His-tagged

**Cat. No.** Atp5d-3713R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | ATP synthase subunit delta, mitochondrial (Atp5d)                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.Coli/Yeast                                                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | 168                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | maintains structural stability of F1 moiety of ATP synthase .                                                                                                                                                                                                                                                  |
| <b>Form</b>             | This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.                                                                                                                                                                               |
| <b>Purity</b>           | >90%                                                                                                                                                                                                                                                                                                           |
| <b>Notes</b>            | Small volumes of Atp5d recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice. |
| <b>Storage</b>          | Store at -20 degree C. For extended storage, store at -20 or -80 degree C.                                                                                                                                                                                                                                     |
| <b>Storage Buffer</b>   | PBS pH 7.4, 50% glycerol                                                                                                                                                                                                                                                                                       |
| <b>Warning</b>          | This product is for research use only. Not for use in diagnostic or therapeutic                                                                                                                                                                                                                                |

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procedures.

## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                                    |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | Atp5d ATP synthase, H <sup>+</sup> transporting, mitochondrial F1 complex, delta subunit [ <a href="#">Rattus norvegicus</a> ]                                                                                                                                                     |
| <b>Official Symbol</b>     | Atp5d                                                                                                                                                                                                                                                                              |
| <b>Synonyms</b>            | ATP5D; ATP synthase, H <sup>+</sup> transporting, mitochondrial F1 complex, delta subunit; ATP synthase subunit delta, mitochondrial; F-ATPase delta subunit;                                                                                                                      |
| <b>Gene ID</b>             | <a href="#">245965</a>                                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>         | <a href="#">NM_139106</a>                                                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>      | <a href="#">NP_620806</a>                                                                                                                                                                                                                                                          |
| <b>Chromosome Location</b> | 7q11                                                                                                                                                                                                                                                                               |
| <b>Pathway</b>             | Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Electron Transport Chain, organism-specific biosystem; F-type ATPase, eukaryotes, organism-specific biosystem; Formation of ATP by chemiosmotic coupling, organism-sp                    |
| <b>Function</b>            | ATPase activity; contributes_to ATPase activity; hydrogen ion transporting ATP synthase activity, rotational mechanism; hydrogen ion transporting ATP synthase activity, rotational mechanism; protein complex binding; proton-transporting ATPase activity, rotational mechanism; |

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