

## Recombinant Rat Avil Protein, His-tagged

**Cat. No.** Avil-281R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Avil Protein (Met1-Gly160) with N-His tag was expressed in E. coli.                                                                                                                                                                                           |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | Met1-Gly160                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | Enables actin binding activity. Involved in nervous system development and positive regulation of neuron projection development. Located in neuron projection. Human ortholog(s) of this gene implicated in nephrotic syndrome type 21. Orthologous to human AVIL (advillin). |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 21.9 kDa<br>Accurate Molecular Mass: 24 kDa                                                                                                                                                                                                         |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                         |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                    |
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is               |

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less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Storage Buffer**

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

**Reconstitution**

Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

**Gene Name**

Avil advillin [ *Rattus norvegicus* (Norway rat) ]

**Official Symbol**

Avil

**Synonyms**

AVIL; advillin; pervin; peripheral nervous system villin-like protein

**Gene ID**

79253

**mRNA Refseq**

NM\_024401

**Protein Refseq**

NP\_077377

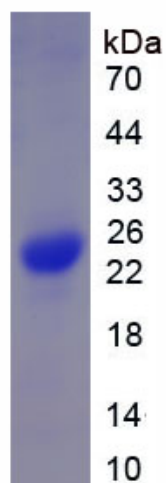
**UniProt ID**

Q9WU06

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