

Recombinant Mouse Avil Protein, His-tagged

Cat. No. Avil-280M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Avil Protein (Met1-Gly160) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Gly160
Description	Predicted to enable Arp2/3 complex binding activity; actin filament binding activity; and phosphatidylinositol-4,5-bisphosphate binding activity. Involved in positive regulation of neuron projection development. Predicted to be located in several cellular components, including actin filament; focal adhesion; and lamellipodium. Predicted to be active in actin cytoskeleton and cytoplasm. Is expressed in several structures, including eye; forelimb; nervous system; skin; and tongue papillae. Human ortholog(s) of this gene implicated in nephrotic syndrome type 21. Orthologous to human AVIL (advillin).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 21.9 kDa Accurate Molecular Mass: 22 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	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 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.

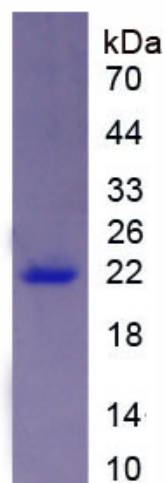
GENE INFORMATION

Gene Name	Avil advillin [<i>Mus musculus</i> (house mouse)]
Official Symbol	Avil
Synonyms	AVIL; advillin; p92; actin-binding protein DOC6; DOC6; Advil
Gene ID	11567
mRNA Refseq	NM_009635
Protein Refseq	NP_033765
UniProt ID	O88398

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