

RPG168Mu01 50µg Recombinant Discs, Large Homolog 4 (DLG4) Organism Species: *Mus musculus (Mouse) Instruction manual*

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

Coud-Clone Corp.

[PROPERTIES]

Source: Prokaryotic expression Host: E.coli Residues: Met1~Ser393 Tags: N-terminal His Tag Subcellular Location: Membrane **Purity:** > 95% Traits: Freeze-dried powder Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose. Original Concentration: 150µg/mL Applications: Positive Control; Immunogen; SDS-PAGE; WB. (May be suitable for use in other assays to be determined by the end user.) Predicted isoelectric point: 5.8 Predicted Molecular Mass: 46.1kDa Accurate Molecular Mass: 76kDa as determined by SDS-PAGE reducing conditions. Phenomenon explanation: The possible reasons that the actual band size differs from the predicted are as follows: 1.Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc. [USAGE]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]



Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: 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°C for 48h, and no

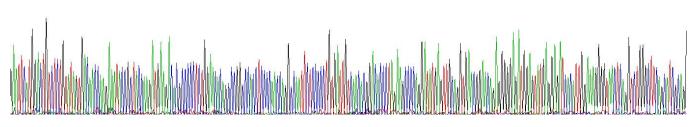
obvious degradation and precipitation were observed. The loss rate is less than 5% within the

expiration date under appropriate storage condition.

[SEQUENCE]

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MSQRPRAPRS ALWLLAPPLL RWAPPLLTVL HSDLFQALLD ILDYYEACIS
ESQKYRYQDE DTPPLEHSPA HLPNQANSPP VIVNTDTLEA PGYELQVNGT
EGEMEYEEIT LERGNSGLGF SIAGGTDNPH IGDDPSIFIT KIIPGGAAAQ
DGRLRVNDSI LFVNEVDVRE VTHSAAVEAL KEAGSIVRLY VMRRKPPAEK
IIEIKLIKGP KGLGFSIAGG VGNQHIPGDN SIYVTKIIEG GAAHKDGRLQ
IGDKILAVNS VGLEDVMHED AVAALKNTYD VVYLKVAKPS NAYLSDSYAP
PDITTSYSQH LDNEISHSSY LGTDYPTAMT PTSPRRYSPV AKDLLGEEDI
PREPRRIVIH RGSTGLGFNI VGGEDGEGIF ISFILAGGPA DLS
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[IDENTIFICATION]



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Figure . Gene Sequencing (extract)

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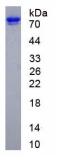


Figure. SDS-PAGE

[<u>IMPORTANT NOTE</u>]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.