

RPB430Mu02 100µg

Recombinant Semaphorin 4D (SEMA4D)

Organism Species: *Mus musculus* (Mouse)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Leu30~Glu374

Tags: N-terminal His and GST Tag

Subcellular Location: Membrane

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% SKL, 5% Trehalose .

Original Concentration: 200µg/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: 7.2

Predicted Molecular Mass: 68.6kDa

Accurate Molecular Mass: 69kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 10mM PBS (pH7.4) 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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 TWEHGEVGLV QFHKPGIFNY SALLMSEDKD TLYVGAREAV FAVNALNISE KQHEVYWKVS EDKKSCKAEK GKSKQTECLN
 YIRVLQPLSS TSLYVCGTNA FQPTCDHLNL TSPKFLGKSE DGKGRCPFDP AHSYTSVMVG GELYSGTSYN FLGSEPIISR
 NSSHSPLRTE YAIPWLNEPS FVFADVIQKS PDGPEGEDDK VYFFFTTEVSV EYEFVFKLMI PRVARVCKGD QGGLRTLQKK
 WTSFLKARLI CSKPDSGLVF NILQDVFLR APGLKEPVFY AVFTPQLNNV GLSAVCAYTL ATVEAVFSRG KYMQSATVEQ
 SHTKVVRYNG PVPTPRPGAC IDSE

[IDENTIFICATION]



Figure. SDS-PAGE

[IMPORTANT NOTE]

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.