

RPB448Mu01 10µg

Recombinant Semaphorin 7A (SEMA7A)

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: Arg318~Met566

Tags: N-terminal His Tag

Subcellular Location: Membrane, Extracellular matrix

Purity: > 95%

Traits: Freeze-dried powder

Buffer formulation: 100mMNaHCO₃, 500mMNaCl, pH8.3, containing 1mM DTT, 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: 8.3

Predicted Molecular Mass: 32.0kD

Accurate Molecular Mass: 32kDa as determined by SDS-PAGE reducing conditions.

[**USAGE**]

Reconstitute in ddH₂O 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**]

```
RVY GVFSNPWNYS AVCVYSLGDI DRVFRTSSLK
GYHMGLPNPR PGMCLPKKQP IPTETFQVAD SHPEVAQRVE PMGPLKTPLF
HSKYHYQKVV VHRMQASNGE TFHVLTLTD RGTIHKVVES GDQDHSFVFN
IMEIQPFHRA AAIQAISLDA DRRKLYVTSQ WEVSQVPLDM CEVYSGGCHG
CLMSRDPYCG WDQDRCVSIY SSQRSVLQSI NPAEPHRECP NPKPDEAPLQ
KVSLARNSRY YLTCPM
```

[IDENTIFICATION]

RFTGTFSPFVTSAYCYTSLGDIIRYFRTSSIXGTENGLPHRPRGXCLPKKQPIPTETFQVADGRPEYAQRVEPKGLKXTPLEFRGXYRQKVVYFR

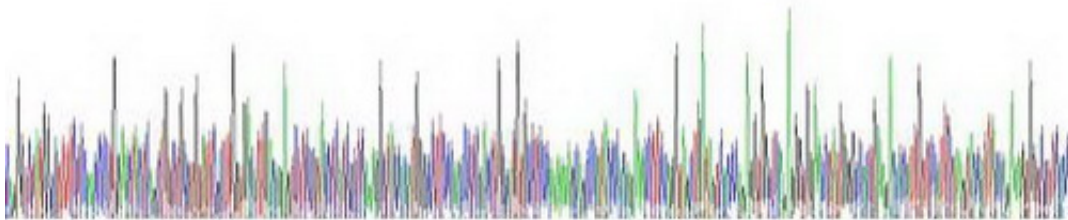


Figure . Gene Sequencing (extract)

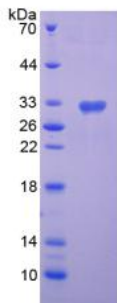


Figure. SDS-PAGE

[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.