

RPD424Mu01 100µg

Recombinant Myosin VA (MYO5A)

Organism Species: *Mus musculus* (Mouse)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Ser1529~Val1853

Tags: N-terminal His Tag

Subcellular Location: Lysosome, Cytoplasm, Golgi apparatus, Endoplasmic reticulum lumen, Endosome

Purity: > 97%

Traits: Freeze-dried powder

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

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: 40.7kDa

Accurate Molecular Mass: 41kDa as determined by SDS-PAGE reducing conditions.

[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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SL LTSTINSIKK VLKKGDDFE
TVSFWSNTC RFLHCLKQYS GEEGFMKHNT SRQNEHCLTN FDLAEYRQVL
SDLAIQIYQQ LVRVLENILQ PMIVSGMLEH ETIQGVSGVK PTGLRKRTSS
IADEGTYTLD SILRQLNSFH SVMCQHGM DP ELIKQVVKQM FYIVGAILTN
NLLLRKDMCS WSKGMQIRYN VSQLEEWLRD KNLMNSGAKE TLEPLIQAAQ
LLQVKKKTDD DAEAICSMCN ALTTAQIVKV LNLYTPVNEF EERVSVSFIR
TIQMRLRDRK DSPQLLMDAK HIFPVTFPFN PSSLALETIQ IPASLGLGFI
ARV
```

[IDENTIFICATION]

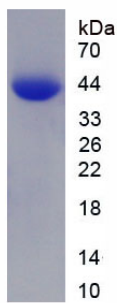


Figure. SDS-PAGE

[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.