

RPB313Mu01 100µg
Recombinant Integrin Alpha 1 (ITGa1)
Organism Species: Mus musculus (Mouse)
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Prokaryotic expression.

Host: *E. coli*

Residues: Ile103~Gln368

Tags: N-terminal His-Tag

Tissue Specificity: Cerebellum.

Subcellular Location: Membrane; Single-pass type I membrane protein.

Purity: >98%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 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: 6.2

Predicted Molecular Mass: 33.1kDa

Accurate Molecular Mass: 33kDa 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**]

IPNVTEIK ENMTFGSTLV TNPKGGFLAC GPLYAYRCGH LHYTTGICSD
 VSPTFQVVNS FAPVQECSTQ LDIVIVLDGS NSIYPWESVT AFLNDLLKRM
 DIGPKQTQVG IVQYGANVTH EFNLNKYSST EEVLVAANKI GRRGGLQTMT
 ALGIDTARKE AFTEARGARR GVKKVMVIVT DGESHDNYRL KQVIQDCED
 NIQRFSIAIL GHYNRGNLST EK FVEEIKSI ASEPTKHFV NVSDELALVT
 IVKALGERIF ALEATADQ

[**IDENTIFICATION**]

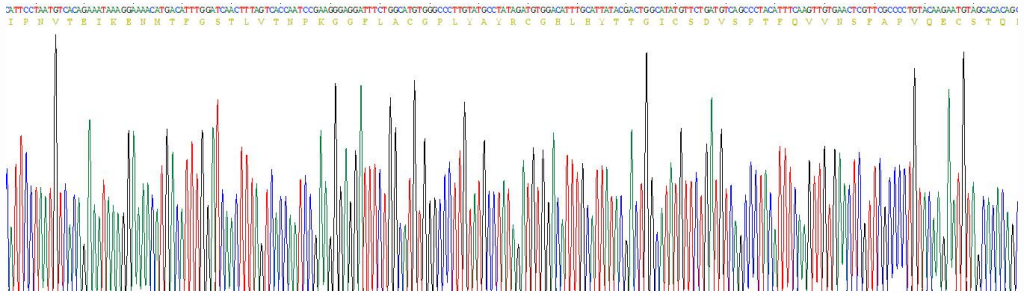


Figure 1. Gene Sequencing (Extract)

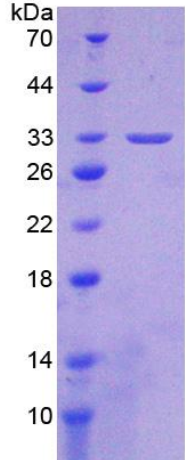


Figure 2. SDS-PAGE