

RPC499Hu01 100µg

Recombinant Gap Junction Protein Beta 1 (GJb1)

Organism Species: *Homo sapiens (Human)*

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: Met1~Thr130

Tags: N-terminal His and GST Tag

Subcellular Location: Membrane

Purity: > 97%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.

Original Concentration: 35µg/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: 8.6

Predicted Molecular Mass: 44.7kDa

Accurate Molecular Mass: 44kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in ddH₂O to a concentration of 0.1-0.5mg/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]

MNWTGLYTLT SGVNRHSTAI GRVWLSVIFI FRIMVLVVAE ESVWGDEKSS
 FICNTLQPGC NSVCYDQFFP ISHVRLWSLQ LILVSTPALL VAMHVAHQH
 IEKKMLRLEG HGDPLHLEEV KRHKVHISGT

[IDENTIFICATION]

ATGAACTGGACAGSTTTGTACACCTTCTCAGTGGCGTGAACCGGCACTTCTACTGCCATTGGGCGATGATGGCTCTGGTCATCTTCACTTCAAGATCATGGTCTGCTGGTGGCTCCAGAGAGTGTGTGGGTGATGAGAAATCTTCTCTCACTCTGCAACACTCCAGCCTGGCTGCACAGCGTTTG
 M N W T G L Y T L L S G V N R H S T A I G R V W L S V I F I F R I M V L V V A E S V W G D E K S S F I C N T L Q P G C N S V C

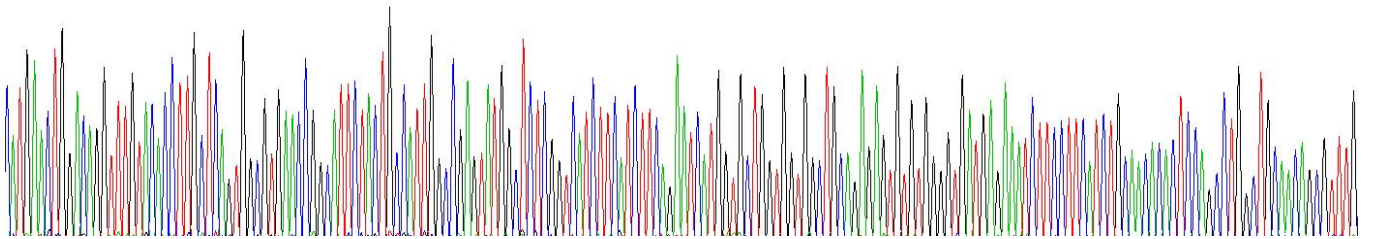


Figure. Gene Sequencing (Extract)

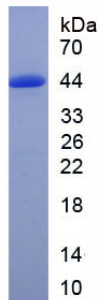


Figure. SDS-PAGE

[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.