

Recombinant Transcobalamin II, Macrocytic Anemia (TCN2) Instruction Manual

SIPG463Ra01

Rattus norvegicus (Rat)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Secreted
Predicted Molecular Mass	49.3kDa
Accurate Molecular Mass	49kDa(Analysis of differences refer to the manual)
Residues & Tags	Glu19~Met427 with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	7.8
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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EF CVIPKMDGQL VEKLGQRLLP WMDRLSSEQL
NPSIYVGLRL SSMQAGTKEN LYLHNLKLHY QQCLLRSTSS DDNSGCQTKI
SGGSLALYLL ALRANCELLG SRKGDRMVSQ LKWFLEDEKK AIGHHHEGHP
HTSYYQYGLS ILALCVHRKR VHDSVVGKLL YAVEHDYFTY QGHLSVDTEA
MAGLAFTCLE RFNFNSDLRP RITTAIETVR EKILKAQAPE GYFGNIYSTP
LALQMLMTSP GVGLGPACLK ARKSLLLSLQ DGAFQNPMMI SQLLPVLNHK
TYLNLISPDC QAPRMLVPA TEDPVHLSEV SVTLKVSSVL PPYERTVSVF
AGASLEDVLN RARDLGEFTY GTQASLSGPY LTSVLGKEAG DREYWQLLRV
PDTPLLQGIA DYKPKNGETI ELRLVKM
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USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL.
Do not vortex.

STORAGE

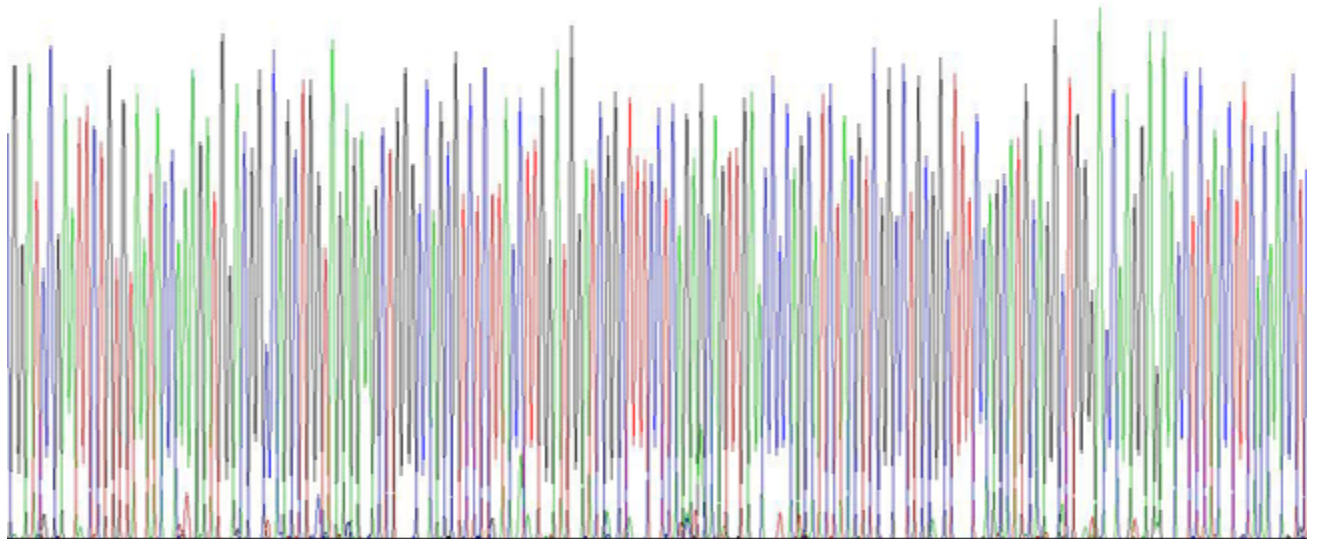
Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

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.

Image

CGAATCCGAAATTCGTGTAAATACAAAGATGGAGCGCCAGCTGGTAGAGAGCTGGGACAGCGGTCTCTTACTTGGATGGATGGCTTTTCTCAGAGGAGTTGAATCCAGCACTTAAGTGGCTTGGGCTTTTCCAGCATGCAGGCTGGGACCAAGGAGAACTCTAATCTTCAAACTT



SDS-PAGE Image

[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.