

RPD008Mu01 50µg

Recombinant Glutamyl Prolyl tRNA Synthetase (EPRS)

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: Gly1007~Tyr1512

Tags: N-terminal His Tag

Subcellular Location: Membrane, Cytoplasm

Purity: > 80%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 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: 5.9

Predicted Molecular Mass: 61.3kDa

Accurate Molecular Mass: 61kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 10mM PBS (pH7.4) 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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GPKK QTRLGLEAKK EENLAEWYSQ VITKSEMIY YDVSGCYILR PWSYSIWESI KDFFDAEIKK
LGVENCYFPI FVSQAALKEE KNHIEDFAPE VAWVTRSGKT ELAEPIAIRP TSETVMYPAY AKWVQSHRDL
PVRLNQWCNV VRWEFKHPQP FLRTREFLWQ EGHSAFATFE EAADEVLQIL ELYARVYEEL LAIPVVRGRK
TEKEKFAGGD YTTTIEAFIS ASGRAIQGAT SHHLGQNFSE MCEIVFEDPK TPGEKQFAYQ CSWGLTTRTI
GVMVMVHGDN MGLVLPPrVA SVQVVVPCG ITNALSEEDR EALMAKCNEY RRLLGANIR VRVLDLrDNYS
PGWKFNHWEL KGVPrLEVG PRDMKSCQFV AVRrDTGEKL TIAEKEAEAK LEKVLEDIQL NLFTRASEDL
KTHMVVSNTL EDFQKVLDAg KVAQIPFCGE IDCEDWIKKM TARDQDVEPG APrSMGAKSLC IPFNPLCELQ
PGAMCVCGKN PAKFYTLFGR SY

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[IDENTIFICATION]

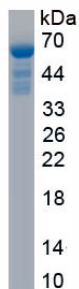


Figure. SDS-PAGE

[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.