

**RPE665Hu01 100µg**

**Recombinant Tryptophanyl tRNA Synthetase 2, Mitochondrial (WARS2)**

**Organism Species: *Homo sapiens* (Human)**

***Instruction manual***

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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13th Edition (Revised in Aug, 2023)

**[ PROPERTIES ]**

**Source:** Prokaryotic expression

**Host:** *E.coli*

**Residues:** Met1~Leu360

**Tags:** N-terminal His Tag

**Subcellular Location:** Mitochondrion

**Purity:** > 90%

**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:** 9.3

**Predicted Molecular Mass:** 43.8kDa

**Accurate Molecular Mass:** 44kDa 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.

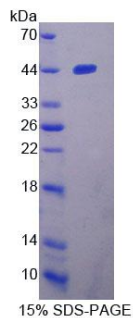
Aliquot and store at -80°C for 12 months.

**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 ]**

MALHSMRKAR ERWSFIRALH KGSAAAAPALQ KDSKKRVFSG IQPTGILHLG  
NYLGAIESWV RLQDEYDSVL YSIVDLHSIT VPQDPAVLRQ SILDMTAVLL  
ACGINPEKSI LFQQSQVSEH TQLSWILSCM VRLPRLQHLH QWKAKTTKQK  
HDGTVGLLTY PVLQAADILL YKSTHVPVGE DQVQHMELVQ DLAQGFNKKY  
GEFFPVPESE LTSMKKVKSL RDPSAKMSKS DPKLATVRI TDSPEEIVQK  
FRKAVTDFTS EVTYDPAGRA GVSNIIVAVHA AVTGLSVEEV VRRSAGMNTA  
RYKLAVADAV IEKFAPIKRE IEKCLKLDKDH LEKVLQIGSA KAKELAYTVC  
QEVKKLVGFL

## [ IDENTIFICATION ]



## [ 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.