

**RPC488Hu01 100µg**

**Recombinant Ferrochelatase (FECH)**

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

***Instruction manual***

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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12th Edition (Revised in Aug, 2016)

**[ PROPERTIES ]**

**Source:** Prokaryotic expression

**Host:** *E.coli*

**Residues:** Gly55~Leu423

**Tags:** N-terminal His Tag

**Subcellular Location:** Mitochondrion

**Purity:** > 95%

**Traits:** Freeze-dried powder

**Buffer formulation:** 20mM Tris, 150mM NaCl, pH8.0, 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:** 8.6

**Predicted Molecular Mass:** 45.9kDa

**Accurate Molecular Mass:** 43kDa 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.

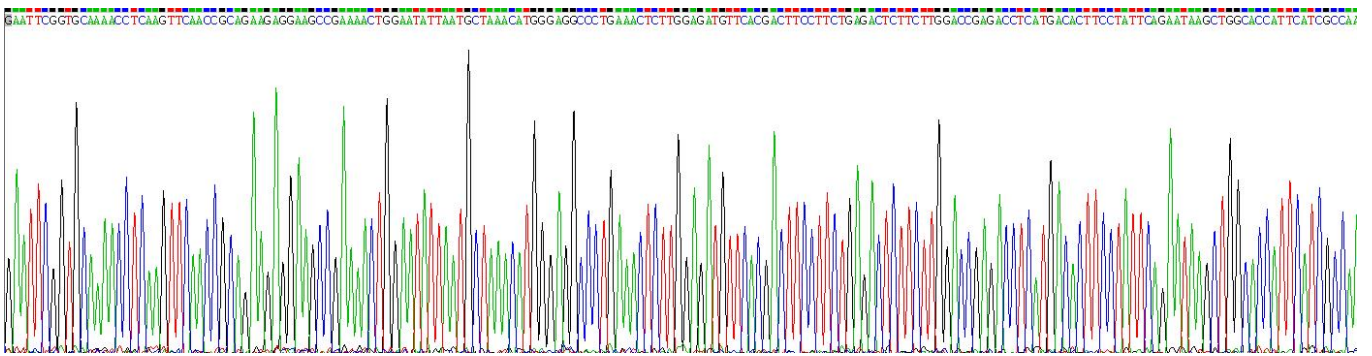
Aliquot and store at -80°C for 12 months.

**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.

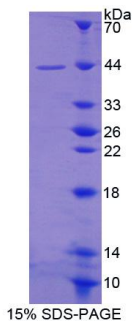
**[ SEQUENCE ]**

GAKPQV QPQKRKPKTG ILMLNMGGPE TLGDVHDFLL RLFLDRDLMT  
 LPIQNKLAPF IAKRRTPKIQ EQYRRIGGGS PIKIWTSKQG EGMVKLLDEL  
 SPNTAPHKYY IGFYRVHPLT EEAIEEMERD GLERAIIFTQ YPQYSCSTTG  
 SSLNAIYRYY NQVGRKPTMK WSTIDRWPTH HLLIQCFADH ILKELDFHPL  
 EKRSEVVILF SAHSLPMSVV NRGDPYPQEV SATVQKVMER LEYCNPYRLV  
 WQSKVGPMPW LGPQTDESIK GLCERGRKNI LLVPIAFTSD HIETLYELDI  
 EYSQVLAKEC GVENIRRAES LNGNPLFSKA LADLVHSHIQ SNELCCKQLT  
 LSCPLCVNPV CRETKSFFTS QQL

**[ IDENTIFICATION ]**



**Figure . Gene Sequencing (extract)**



**[ 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.