

**RPJ094Hu01 10µg**

**Recombinant Fructosamine-3-Kinase (FN3K)**

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

***Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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11th Edition (Revised in May, 2016)

## **[ PROPERTIES ]**

**Source:** Prokaryotic expression.

**Host:** *E. coli*

**Residues:** Met1~Lys309

**Tags:** N-terminal His-Tag

**Purity:** >95%

**Traits:** Freeze-dried powder

**Buffer formulation:** 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.

**Original Concentration:** 200ug/mL

**Applications:** SDS-PAGE; WB; ELISA; IP; CoIP; Reporter Assays; Purification; Amine Reactive Labeling.

(May be suitable for use in other assays to be determined by the end user.)

**Predicted isoelectric point:** 7.1

**Predicted Molecular Mass:** 38.9kDa

**Accurate Molecular Mass:** 40kDa 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.

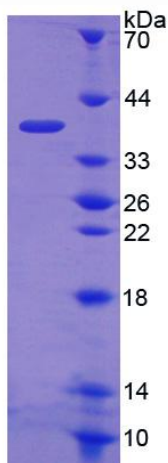
Aliquot and store at -80°C for 12 months.

**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 ]

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MEQLLRAELR  TATLRAFGGP  GAGCISEGRA  YDTDAGPVFV  KVNRRRTQARQ
MFEGEVASLE  ALRSTGLVRV  PRPMKVIDLP  GGGAAFVMEH  LKMKSLSQA
SKLGEQMADL  HLYNQKLREK  LKEEENTVGR  RGEGAEPQYV  DKFGFHTVTC
CGFIPQVNEW  QDDWPTFFAR  HRLQAQLDLI  EKDYADREAR  ELWSRLQVKI
PDLFCGLEIV  PALLHGDLWS  GNVAEDDVGP  IIYDPASFYG  HSEFELAIAL
MFGGFPRSF  TAYHRKIPKA  PGFDQRLLLY  QLFNYLNHWN  HFGREYRSPS
LGTMRLLK
```

## [ IDENTIFICATION ]



**Figure 1. SDS-PAGE**