

# Recombinant human FN3KRP protein

Catalog Number: ATGP1892

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-309aa

### UniProt No.

Q9HA64

### NCBI Accession No.

NP\_078895

### Alternative Names

Ketosamine-3-kinase, FN3KL, FN3K-related protein

## PRODUCT SPECIFICATION

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### Molecular Weight

36.8 kDa (332aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

Ketosamine-3-kinase, also known as FN3KRP, catalyzes the phosphorylation of psicosamines and ribulosamines compared to the neighboring gene which encodes a highly similar enzyme, fructosamine-3-kinase, which has different substrate specificity. The activity of both enzymes may result in deglycation of proteins to restore their function. Recombinant human FN3KRP protein, fused to His-tag at N-terminus, was expressed in E. coli.

### Amino acid Sequence

<MGSSHHHHHH SGLVPRGSH MGS>MEELLRR ELGCSSVRAT GHSGGGCISQ GRSYDTDQGR VFVKVNPKE

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ARRMFEGEMA SLTAILKTNT VKVPKPIKVL DAPGGGSVLV MEHMDMRHLS SHAAKLGAQL ADLHLDNKKL GEMRLKEAGT  
VGRGGGQEER PFVARFGFDV VTCCGYLPQV NDWQEDWVVF YARQRIQPQM DMVEKESGDR EALQLWSALQ  
LKIPDLFRDL EIIPALLHGD LWGGNVAEDS SGPVIFDPAS FYGHSEYELA IAGMFGGFSS SFYSAYHGKI PKAPGF EKRL  
QLYQLFHLYN HWNHFGSGYR GSSLNIMRNL VK

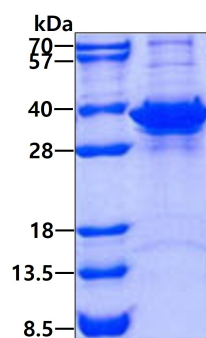
## General References

Collard F., et al. (2004) *Biochem. J.* 382:137-143

Oppermann F.S., et al. (2009) *Mol. Cell. Proteomics.* 8:1751-1764

## DATA

### SDS-PAGE



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.