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### Recombinant human FN3KRP protein

Catalog Number: ATGP1892

#### **PRODUCT INFORMATION**

#### **Expression system**

E.coli

#### **Domain**

1-309aa

#### UniProt No.

**09HA64** 

#### **NCBI Accession No.**

NP 078895

#### **Alternative Names**

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

#### **PRODUCT SPECIFICATION**

#### **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**

#### **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 SSGLVPRGSH MGSMEELLRR ELGCSSVRAT GHSGGGCISO GRSYDTDOGR VFVKVNPKAE



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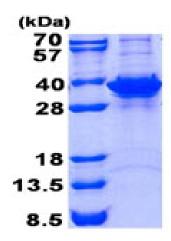
ARRMFEGEMA SLTAILKTNT VKVPKPIKVL DAPGGGSVLV MEHMDMRHLS SHAAKLGAQL ADLHLDNKKL GEMRLKEAGT VGRGGGQEER PFVARFGFDV VTCCGYLPQV NDWQEDWVVF YARQRIQPQM DMVEKESGDR EALQLWSALQ LKIPDLFRDL EIIPALLHGD LWGGNVAEDS SGPVIFDPAS FYGHSEYELA IAGMFGGFSS SFYSAYHGKI PKAPGFEKRL QLYQLFHYLN HWNHFGSGYR GSSLNIMRNL VK

#### **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**



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

