

Recombinant human FN3KRP protein

Catalog Number: ATGP1892

PRODUCT INFORMATION

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

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 SGLVPRGSH MGSMEELLRR 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

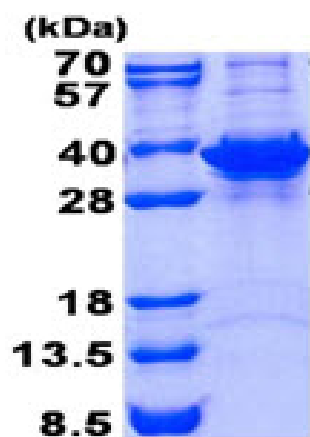
General References

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



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

15% SDS-PAGE (3ug)