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 SSGLVPRGSH MGS>MEELLRR ELGCSSVRAT GHSGGGCISQ GRSYDTDQGR VFVKVNPKAE

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

Recombinant human FN3KRP protein

Catalog Number: ATGP1892

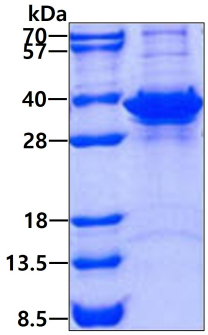
ARRMFEGEMA SLTAILKTNT VKVPKPIKVL DAPGGGSVLV MEHMDMRHLS SHAAKLGAQL ADLHLDNKKL GEMRLKEAGT VGRGGGQEER PFVARFGFDV VTCCGYLPQV NDWQEDWVVF YARQRIQPQM DMVEKESGDR EALQLWSALQ LKIPDLFRDL EIIPALLHGD LWGGNVAEDS SGPVIFDPAS FYGHSEYELA IAGMFGGFSS SFYSAYHGKI PKAPGFEKRL QLYQLFHYLN HWNHFGSGYR GSSLNIMRNL VK

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



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