FN3KRP, 1-309aa, Human, His tag, E.coli

Cat.NO.: TP02142

3th Edition

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

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.

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

Molecular Weight:36.8kDa (332aa)

Sequences:
MGSSHHHHHHSSGLVPRGSHMGSMEELLRRELGCSSVRATGHSGGGCISQGRSYDTDQGRVFVKVNPKAEARR
MFEGEMASLTAILKTNTVKVPKPIKVLDAPGGGSVLVMEHMDMRHLSSHAAKLGAQLADLHLDNKKLGEMRLKEAG
TVGRGGGQEERPFVARFGFDVVTCCGYLPQVNDWQEDWVVFYARQRIQPQMDMVEKESGDREALQLWSALQLK
IPDLFRDLEIIPALLHGDLWGGNVAEDSSGPVIFDPASFYGHSEYELAIAGMFGGFSSSFYSAYHGKIPKAPGFEKRL
QLYQLFHYLNHWNHFGSGYRGSSLNIMRNLVK

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.