

## Recombinant Human FN3K, His-tagged

**Cat. No.** FN3K-7102H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human FN3K protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-309aa
<b>Description</b>	FN3K catalyzes the phosphorylation of fructosamines which may result in deglycation, the non-enzymatic reaction of glucose with primary amines followed by Amadori re-arrangement. Phosphorylation of fructosamines may initiate metabolism of the modified amine and lead to the de-glycation of fructoselysine and of glycated proteins.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT
<b>Molecular Mass</b>	37kDa (332aa)
<b>AA Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSMEQLLRA ELRTATLRAF GGPGAGCISE GRAYDTDAGP VFKVNRRTQ ARQMFEGEVA SLEALRSTGLVRVPRPMKVI DLPGGGAFFV MEHLKMKLS SQASKLGEQM ADLHLYNQKL REKLKEEENT VGRRGEGAEP QYVDKFGFHT VTCCGFIPQV NEWQDDWPTF FARHRLQAQL DLIEKDYADR EARELWSRLQ VKIPDLFCGL EIVPALLHGD LWSGNVAEDD

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VGPIIYDPAS FYGHSEFELAIALMFGGFPR SFFTAYHRKI PKAPGFDQRL  
 LLYQLFNLYLN HWNHFGREYR SPSLGTMRRL LK

**Purity** >85% by SDS - PAGE

**Applications** SDS-PAGE

**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.

**Concentration** 0.25 mg/ml

## GENE INFORMATION

**Gene Name** FN3K fructosamine 3 kinase [ Homo sapiens ]

**Official Symbol** FN3K

**Synonyms** FN3K; fructosamine 3 kinase; fructosamine-3-kinase;

**Gene ID** [64122](#)

**mRNA Refseq** [NM\\_022158](#)

**Protein Refseq** [NP\\_071441](#)

**MIM** [608425](#)

**UniProt ID** [Q9H479](#)

**Chromosome Location** 17q25

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**Function**

fructosamine-3-kinase activity;

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