

Recombinant Human FN3K, His-tagged

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

SPECIFICATION

Product Overview	Recombinant human FN3K protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-309aa
Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT
Molecular Mass	37kDa (332aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMEQLLRA ELRTATLRAF GGPGAGCISE GRAYDTDAGP VFKVNRRTQ ARQMFEGEVA SLEALRSTGLVRVPRPMKVI DLPGGGAFFV MEHLKMKSL S QASKLGEQM ADLHLYNQKL REKLKEEENT VGRRGEAEP QYVDKFGFHT VTCCGFIPQV NEWQDDWPTF FARHRLQAQL DLIEKDYADR EARELWSRLQ VKIPDLFCGL EIVPALLHGD LWSGNVAEDD

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	VGPIIYDPAS FYGHSEFELAIALMFGGFPR SFFTAYHRKI PKAPGFDQRL LLYQLFNLYN HWNHFGREYR SPSLGTMRRRL 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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