

# Recombinant Human FN3K Protein, MYC/DDK-tagged, C13 and N15-labeled

**Cat. No.** FN3K-230H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	FN3K MS Standard C13 and N15-labeled recombinant protein (NP_071441) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	A high concentration of glucose can result in non-enzymatic oxidation of proteins by reaction of glucose and lysine residues (glycation). Proteins modified in this way, fructosamines, are less active or functional. This gene encodes an enzyme which catalyzes the phosphorylation of fructosamines which may result in deglycation. [provided by RefSeq, Feb 2012]
<b>Molecular Mass</b>	35.2 kDa
<b>AA Sequence</b>	MEQLLRAELRTATLRAFGGPGAGCISEGRAYDTDAGPVFVKVNRRTQARQMFEGE VASLEALRSTGLVRVPRPMKVIDLPGGGAAFVMEHLKMKSLSSQASKLGEQMADLH LYNQKLREKLKEEENTVGRRGEGAEPQYVDKFGFHTVTCCGFIPQVNEWQDDWPT FFARHRLQAQLDLIEKDYADREARELWSRLQVKIPDLFCGLEIVPALLHGDLWSGNV AEDDVGPIIYDPASFYGHSEFELAIALMFGGFPRSFFTAYHRKIPKAPGFDQRLLLYQ LFNYLNHWNHFGREYRSPSLGTMRLLKTRTRPLEQKLISEEDLAANDILDYKDDDD KV
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining

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<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

<b>Gene Name</b>	FN3K fructosamine 3 kinase [ Homo sapiens (human) ]
<b>Official Symbol</b>	FN3K
<b>Synonyms</b>	FN3K; fructosamine 3 kinase; fructosamine-3-kinase;
<b>Gene ID</b>	64122
<b>mRNA Refseq</b>	NM_022158
<b>Protein Refseq</b>	NP_071441
<b>MIM</b>	608425
<b>UniProt ID</b>	Q9H479

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