Recombinant Full Length Human FN3K Protein, GST-tagged

Cat. No. FN3K-5001HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FN3K full-length ORF (NP_071441.1, 1 a.a. - 309 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	309 amino acids
Description	FN3K catalyzes phosphorylation of fructosamines formed by glycation, the nonenzymatic reaction of glucose with primary amines followed by Amadori rearrangement. Phosphorylation of fructosamines may initiate metabolism of the modified amine and result in deglycation of glycated proteins (Delpierre et al., 2000 [PubMed 11016445]).[supplied by OMIM
Molecular Mass	61.6 kDa
AA Sequence	MEQLLRAELRTATLRAFGGPGAGCISEGRAYDTDAGPVFVKVNRRTQARQMFEGE VASLEALRSTGLVRVPRPMKVIDLPGGGAAFVMEHLKMKSLSSQASKLGEQMADLH LYNQKLREKLKEEENTVGRRGEGAEPQYVDKFGFHTVTCCGFIPQVNEWQDDWPT FFARHRLQAQLDLIEKDYADREARELWSRLQVKIPDLFCGLEIVPALLHGDLWSGNV AEDDVGPIIYDPASFYGHSEFELAIALMFGGFPRSFFTAYHRKIPKAPGFDQRLLLYQ LFNYLNHWNHFGREYRSPSLGTMRRLLK
Applications	Enzyme-linked Immunoabsorbent Assay

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	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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