

## Recombinant Mouse Fn3k Protein, Myc/DDK-tagged

**Cat. No.** Fn3k-3059M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length fructosamine 3 kinase (Fn3k), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Fructosamine-3-kinase involved in protein deglycation by mediating phosphorylation of fructoselysine residues on glycosylated proteins, to generate fructoselysine-3 phosphate. Fructoselysine-3 phosphate adducts are unstable and decompose under physiological conditions. Involved in intracellular deglycation in erythrocytes and pancreatic islets. Involved in the response to oxidative stress by mediating deglycation of NFE2L2/NRF2, glycation impairing NFE2L2/NRF2 function. Also able to phosphorylate psicosamines and ribulosamines..
<b>Molecular Mass</b>	35 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method

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**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** Fn3k fructosamine 3 kinase [ *Mus musculus* (house mouse) ]

**Official Symbol** Fn3k

**Synonyms** FN3K; fructosamine 3 kinase; fructosamine-3-kinase; 2310074G21Rik

**Gene ID** 63828

**mRNA Refseq** NM\_022014

**Protein Refseq** NP\_071297

**UniProt ID** Q9ER35

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