Recombinant Mouse Fn3k Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length fructosamine 3 kinase (Fn3k), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Fructosamine-3-kinase involved in protein deglycation by mediating phosphorylation of fructoselysine residues on glycated 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..
Molecular Mass	35 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>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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