

protein-fructosamine 3-kinase

Cat. No. EXWM-3002

Lot. No. (See product label)

Introduction

Description Non-enzymic glycation is an important factor in the pathogenesis of diabetic complications. Key early

intermediates in this process are fructosamines, such as [protein]-N6-D-fructosyl-L-lysine. Fructosamine-3-kinase is part of an ATP-dependent system for removing carbohydrates from non-enzymically glycated proteins. The phosphorylation destablilizes the [protein]-N6-D-fructosyl-L-lysine adduct and leads to its

spontaneous decomposition. cf. EC 2.7.1.172, protein-ribulosamine 3-kinase.

Synonyms FN3K; fructosamine 3-kinase

Product Information

Form Liquid or lyophilized powder

EC Number EC 2.7.1.171

Reaction ATP + [protein]-N6-D-fructosyl-L-lysine = ADP + [protein]-N6-(3-O-phospho-D-fructosyl)-L-lysine

Notes This item requires custom production and lead time is between 5-9 weeks. We can custom produce

according to your specifications.

Storage and Shipping Information

Store it at +4 °C for short term. For long term storage, store it at -20 °C∼-80 °C.

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