



GSK3 alpha (101 - 483) *

Long Name:

glycogen synthase kinase 3 alpha

Catalog Number (DU Number):

DU1894

Accession:

NM_019884.3

Expression

baculovirus

Terminus and Tag:

**N-Term 6His Uncleaved
EE Uncleaved**

Purification Method:

Ni²⁺-NTA agarose

Enzymatic Assay Format:

Standard filter binding assay

Assay Buffer:

50 mM Tris-HCl pH 7.5, 0.1 % 2-mercaptoethanol, 0.1 mM EGTA, 10 mM MgAc

Assay Substrate:

Phospho GS [YRRAAVPPSPSLSRHSSPHQS(PO₄)EDEEE] Final concentration: 30 μM

Calculated Molecular Mass:

Mono-Isotopic Mass: 46, 358.73 daltons

Average Mass: 46, 388.02 daltons

Protein Activity:

Constitutively Active

Purity:

>85 %

Storage Buffer:

50 mM Tris-HCl pH 7.5, 50 % glycerol, 150 mM NaCl, 0.1 mM EGTA, 0.1 % 2-mercaptoethanol, 0.02 % Brij-35, 0.2 mM PMSF, 1 mM Benzamidinone.

Storage Temperature:

-70 °C

Theoretical PI:

7.63

Gel Information :
Please Enquire

Native Sequence:

Amino acids M117 – E479 (end) of human PKB gamma. Residue T29 of the fusion protein is equivalent to T101 of the native enzyme. The His6 tag is located at residues 5 – 10.

Protease Cleavage:

rTEV (ENLYFQG) residues 18 - 24

Cloning Sites:

BamH1 and Not1 sites into pFastBac HTb

Price per aliquot (100µg):

£110.00

