

GSK3B, 1-420aa, Human, His tag, E.coli

Cat.NO.: TP02343

3th Edition

Synonyms:Glycogen synthase kinase 3 beta isoform 2, GSK-3 beta, Glycogen synthase kinase-3 beta

Description:GSK3B is a serine-threonine kinase, belonging to the glycogen synthase kinase subfamily. It is involved in energy metabolism, neuronal cell development, and body pattern formation. Polymorphisms in this gene have been implicated in modifying risk of Parkinson disease, and studies in mice show that overexpression of this gene may be relevant to the pathogenesis of Alzheimer disease. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. Recombinant human GSK3B protein, was expressed in E.coli.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

Molecular Weight:46 kDa (420aa)

Sequences:

MSGRPRTTSAESCKPVQQPSAFGSMKVS RDKD GSKVTTVVATPGQGPD RPQEVS YTDTKVIGNGSFGVVYQAK
LCDSGELVAIKKVLQDKRFKNRELQIMRKLDHCNIVRLRYFFYSSGEKKDEVYLNVLVDYVPETVYRVARHYSRAKQ
TLPVIYVKLYMYQLFRSLAYIHSFGICHRDIKPQNLLDPDTAVLKLCDFGSAKQLVRGEPNVSYICSRYRRAPELIFG
ATDYTSSIDVWSAGCVLAELLGQPIFPGDSGVDQLVEIHKVLGTPTREQUIREMNPNYTEFKFPQIKAHPWTKVFRPR
TPPEAIALCSRLL EYTP TARLTPLEACAHSFFDEL RDPNVKLPNGRDTPALFNFTTQELSSNPPLATILIPPHARIQAA
ASTPTNATAASDANTGDRGQTNNAASASASNST

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.