

## 32-3025: GSK3B Recombinant Protein

**Alternative Name :** GSK3B,Glycogen synthase kinase-3 beta,GSK-3 beta.

### Description

Source : Escherichia Coli. GSK3B Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 420 amino acids (1-420) and having a molecular mass of 46.0 kDa. GSK3B is a serine-threonine kinase that belongs to the glycogen synthase kinase subfamily. GSK3B is involved in energy metabolism, neuronal cell development, and body pattern formation. Polymorphisms in the GSK3B gene have been implicated in modifying risk of Parkinson disease, and studies in mice show that overexpression of the GSK3B gene may be significant to the pathogenesis of Alzheimer disease.

### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 10 µg   |
| <b>Purification :</b>      | Greater than 85% as determined by SDS-PAGE.   |
| <b>Content :</b>           | The GSK3B solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.   |
| <b>Storage condition :</b> | Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  |
| <b>Amino Acid :</b>        | MSGRRPTTSF AESCKPVQQP SAFGSMKVS RDKDGSKVTTV VATPGQGPDR PQEVSYTDTK<br>VINGSGFGVV YQAKLCDSGE LVAIKKVLQD KRFKNRELQI MRKLDHCNIV RLRYFFYSSG<br>EKKDEVYLN LLDYVPETVY RVARHYSRAK QTLPVYVVKL YMYQLFRSLA YIHSFGICHR<br>DIKPQNLLLD PDTAVLKLCD FGS AKQLVRG EPNVSYICSR YYRAPELIFG ATDYTSSIDV<br>WSAGCVLAE LLLGQPIFPGD SGVDQLVEII KVLGTPTREQ IREMNPNYTE FKFPQIKAHP<br>WTKVFRPRT PEAIALCSRL LEYTPTARLT PLEACAH SFF DELRDPNVKL PNGRDTPALF<br>NFTTQELSSN PPLATILIPP HARIQAAAST PTNATAASDA NTGDRGQTNN AASASASNST |

