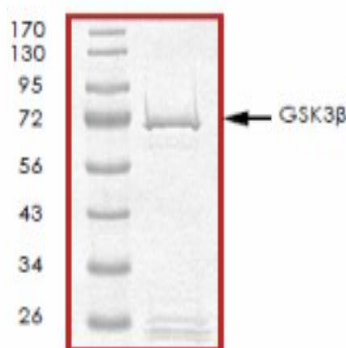


## GSK3B

### Recombinant Human Glycogen Synthase Kinase 3 beta GST Active

|                                 |   |                  |               |
|---------------------------------|---|------------------|---------------|
| <b>Catalog No.</b>              | CRG109A<br>CRG109B  | <b>Quantity:</b> | 5 µg<br>10 µg |
| <b>Alternate Names:</b>         | GSK3B, GSK-3 beta, GSK3beta isoform   |                  |               |
| <b>Description:</b>             | Recombinant Human full length GSK3B with N-terminal GST tag. GSK3B is a serine threonine protein kinase that was originally identified as the kinase that phosphorylates and inhibits glycogen synthase. GSK3B is ubiquitously present in human tissues and implicated in the regulation of several physiological processes, including the control of glycogen and protein synthesis by insulin, and modulation of the transcription factors AP-1 and CREB. Transient transfection of human GSK3B into CHO cells stably transfected with individual human tau isoforms leads to hyperphosphorylation of tau at all the sites investigated with phosphorylation-dependent anti-tau antibodies. |                  |               |
| <b>Concentration:</b>           | 0.1 mg/ml   |                  |               |
| <b>GeneID:</b>                  | 2932  |                  |               |
| <b>Protein Accession No:</b>    | NM_002093   |                  |               |
| <b>Source:</b>                  | Sf9 insect cells  |                  |               |
| <b>Molecular Weight:</b>        | ~73 kDa   |                  |               |
| <b>Formulation:</b>             | Liquid in 50 mM Tris-HCl, pH 7.5 + 150 mM NaCl + 0.25 mM DTT + 0.1 mM EGTA + 0.1 mM EDTA + 0.1 PMSF + 25% glycerol  |                  |               |
| <b>Purity:</b>                  | >90% as determined by densitometry  |                  |               |
| <b>Specific Activity:</b>       | >100 nmol/min/mg (lot specific) as determined by Kinase Activity Assay  |                  |               |
| <b>Storage &amp; Stability:</b> | Stable for 1 year in working aliquots at -80°C. <b>Avoid repeated freeze-thaw cycles.</b>   |                  |               |

SDS-PAGE analysis



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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