

**GSK-3 $\beta$ , human recombinant protein**  
**GSK, Glycogen synthase kinase-3 (GSK-3)**  
**Catalog # PBV10734r****Specification**

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**GSK-3 $\beta$ , human recombinant protein - Product info**

Primary Accession [P49841](#)  
Calculated MW **53.0-56.0 kDa** KDa

**GSK-3 $\beta$ , human recombinant protein - Additional Info**

Gene ID **2932**  
Gene Symbol **GSK3B**

**Other Names**

GSK, Glycogen synthase kinase-3 (GSK-3)

Gene Source **Human**  
Source **E.coli**  
Assay&Purity **SDS-PAGE;  $\geq 90\%$**   
Assay2&Purity2 **HPLC;**  
Recombinant **Yes**

**Application Notes**

Reconstitute to 1 mg/ml in PBS containing 15% glycerol. The solution should be stored at  $-70^{\circ}\text{C}$ , stable for up to 3 months.

**Format**

Lyophilized powder

**Storage**

$-70^{\circ}\text{C}$ ; Lyophilized from 2 mg/ml in 0.1 M  $\text{NH}_4\text{CO}_3$

**GSK-3 $\beta$ , human recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**GSK-3 $\beta$ , human recombinant protein - Images****GSK-3 $\beta$ , human recombinant protein - Background**

Glycogen synthase kinase-3 (GSK-3) is a serine/threonine kinase that was first characterized by its

role in intermediary metabolism. In mammals, serine kinase is encoded by two related genes called GSK-3 $\alpha$  (51 kDa) and GSK-3 $\beta$  (46 kDa). GSK-3 has been implicated in the regulation of the c-JunP-1 transcription factor and other intracellular signaling pathways.

#### **GSK-3 $\beta$ , human recombinant protein - References**

- Stambolic V., et al. Biochem. J. 303:701-704(1994).  
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.  
Lau K.F., et al. Genomics 60:121-128(1999).  
Rhoads A.R., et al. Mol. Psychiatry 4:437-442(1999).  
Boyle W.J., et al. Cell 64:573-584(1991).