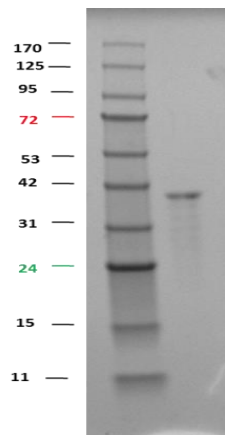


## GSK-3 $\alpha$ -GST Fusion Protein, Human Recombinant

<b>CATALOG NO:</b>	7003-100
<b>AMOUNT:</b>	100 $\mu$ g
<b>MOL. WEIGHT:</b>	37 kDa
<b>SOURCE:</b>	<i>E. coli</i> . It is expressed as a recombinant fusion protein of GSK-3 $\alpha$ residues (amino acid 12-30) surrounding GSK-3 $\alpha$ (Ser21) and glutathione S-transferase (GST). The protein was purified by affinity chromatography.
<b>PURITY:</b>	$\geq$ 95% by SDS-PAGE
<b>FORM:</b>	Lyophilized powder without any additives.
<b>RECONSTITUTION:</b>	Reconstitute in sterile H <sub>2</sub> O.
<b>STORAGE CONDITIONS:</b>	Store at -20 °C. For long term storage, aliquot and freeze at -70 °C. Avoid repeated freeze-thaw cycles.
<b>DESCRIPTION:</b>	GSK-3 is one of the Akt substrates. It can be phosphorylated by Akt at Ser21 of GSK-3 $\alpha$ or Ser9 of GSK-3 $\beta$ . The phosphorylation of GSK negatively regulates its kinase activity. The recombinant GSK-3 $\alpha$ fusion protein serves as a useful substrate for assaying Akt kinase activity.



SDS-PAGE of GSK-3 $\alpha$ -GST Fusion Protein.

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