

GSK-3a-GST Fusion Protein recombinant protein**GSK****Catalog # PBV10733r****Specification**

GSK-3a-GST Fusion Protein recombinant protein - Product info

Primary Accession	P49840
Concentration	2
Calculated MW	37.0 kDa KDa

GSK-3a-GST Fusion Protein recombinant protein - Additional Info

Gene ID	2931
Gene Symbol	GSK3A

Other Names

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

Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE;
Assay2&Purity2	HPLC;
Recombinant	Yes
Format	
Liquid	

Storage

-20°C; 2 mg/ml in storage buffer containing 20 mM Tris-HCl (pH 7.5), 50 mM NaCl, 2 mM EDTA, 1 mM DTT, and 50% glycerol.

GSK-3a-GST Fusion Protein 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-3a-GST Fusion Protein recombinant protein - Images**GSK-3a-GST Fusion Protein recombinant protein - Background**

GSK-3 is one of the Akt substrates. It can be phosphorylated by Akt at Ser21 of GSK-3 α or Ser9 of GSK-3 β . The phosphorylation of GSK negatively regulates its kinase activity. The recombinant GSK-3 α fusion protein serves as a useful substrate for assaying Akt kinase activity.

GSK-3a-GST Fusion Protein recombinant protein - References

He X.,et al.Submitted (MAR-1995) to the EMBL/GenBank/DDBJ databases.
Hoshino T.,et al.Submitted (NOV-1997) to the EMBL/GenBank/DDBJ databases.
Grimwood J.,et al.Nature 428:529-535(2004).
Nikoulina S.E.,et al.Diabetes 49:263-271(2000).
Phiel C.J.,et al.Nature 423:435-439(2003).