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## **Recombinant human GSKIP protein**

Catalog Number: ATGP1007

#### **PRODUCT INFORMATION**

#### **Expression system**

E.coli

#### **Domain**

1-139aa

#### UniProt No.

**09P0R6** 

#### **NCBI Accession No.**

NP 057556

#### **Alternative Names**

GSK3-beta interaction protein

#### PRODUCT SPECIFICATION

#### **Molecular Weight**

17.8 kDa (159aa) confirmed by MALDI-TOF

#### Concentration

1mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 50mM NaCl

#### **Purity**

> 95% by SDS-PAGE

#### Tag

His-Tag

#### **Application**

SDS-PAGE

#### **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **Description**

GSKIP (GSK3 beta interaction protein) is defined as a naturally occurring protein that is homologous with the GSK3beta interaction domain of Axin and is able to negatively regulate GSK3beta of the Wnt signaling pathway. GSKIP may affect GSK3beta activity on neurite outgrowth by inhibiting the specific phosphorylation of tau (ser396). Recombinant human GSKIP protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



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### **Amino acid Sequence**

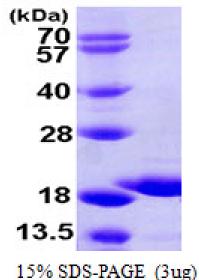
MGSSHHHHHH SSGLVPRGSH METDCNPMEL SSMSGFEEGS ELNGFEGTDM KDMRLEAEAV VNDVLFAVNN MFVSKSLRCA DDVAYINVET KERNRYCLEL TEAGLKVVGY AFDQVDDHLQ TPYHETVYSL LDTLSPAYRE AFGNALLQRL **EALKRDGQS** 

#### **General References**

Lin CC, et al. (2009) | Cell Biochem. 108(6):1325-36. Chou HY, et al (2006) Biochemistry. 45(38):11379-89.

## **DATA**

#### **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

