

Recombinant human GSKIP protein

Catalog Number: ATGP1007

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-139aa

UniProt No.

Q9P0R6

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.

Recombinant human GSKIP protein

Catalog Number: ATGP1007

Amino acid Sequence

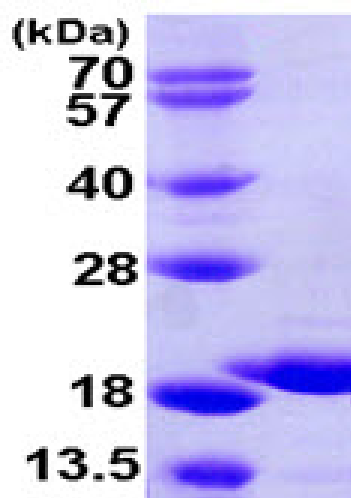
MGSSHHHHHH SSGLVPRGSH METDCNPMEL SSMSGFEEGS ELNGFEGTDM KDMRLEAEAV VNDVLFVNN
MFVSKSLRCA DDVAYINVET KERNRYCLEL TEAGLKVVGY AFDQVDDHLQ TPYHETVYSL LDTLSPAYRE AFGNALLQRL
EALKRDGQS

General References

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

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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