Recombinant human KIBRA/WWC1 protein

Catalog Number: ATGP2549

PRODUCT INFORMATION

Expression system
E.coli

Domain
655-783aa

UniProt No.
Q8IX03

NCBI Accession No.
NP_056053.1

Alternative Names
HBeAg-binding protein 3, Kidney and brain protein, KIBRA, WW domain-containing protein 1, WWC1, KIAA0869, PPP1R168, Protein phosphatase 1, Regulatory subunit 168

PRODUCT SPECIFICATION

Molecular Weight
17 kDa (152aa) confirmed by MALDI-TOF

Concentration
0.25mg/ml (determined by Absorbance at 280nm)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 1mM DTT, 20% glycerol

Purity
> 90% 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
WWC1 is a cytoplasmic phosphoprotein that interacts with PRKC-zeta and dynein light chain-1. Alleles of WWC1 have been found that enhance memory in some individuals. Three transcript variants encoding different isoforms have been found for this gene. Recombinant human WWC1 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

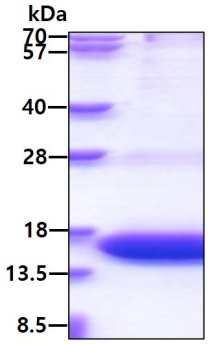
<MGSSHHHHHH SSGLVPRGSH MGS>EAVGATR IQIALKYDEK NKQFAILIIQ LSNLSALLQQ QDQKVNIRVA VLPCSESTTC LFRTRPLDAS DTLVFNEVFW VSMSYPALHQ KTLRVDVCTT DRSHLEECLG GAQISLAEVC RSGERSTRWY NL

General References

Buether K., Plaas C., et al. (2004) Biochem. Biophys. Res. Commun. 317:703-707

DATA

SDS-PAGE



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