

Recombinant human 14-3-3 gamma protein

Catalog Number: YWG0701

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-247aa

UniProt No.

P61981

NCBI Accession No.

NP_036611

Alternative Names

YWHAG, tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein gamma, Protein kinase C inhibitor protein 1, KCIP-1, 14-3-3 protein gamma N-terminally processed, protein phosphatase 1, regulatory subunit 170, PPP1R170, 14-3-3γ

PRODUCT SPECIFICATION

Molecular Weight

28 kDa (247aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

Non-Tagged

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

The 14-3-3 family of proteins plays a key regulatory role in signal transduction, checkpoint control, apoptotic and nutrient-sensing pathways. 14-3-3 proteins are highly conserved and ubiquitously expressed. There are at least

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seven isoforms, beta, gamma, epsilon, sigma, zeta, tau and eta that have been identified in mammals. The 14-3-3gamma, a subtype of the 14-3-3 family of proteins, was thought to be brain and neuron-specific. It has been shown to interact with RAF1 and protein kinase C, proteins involved in various signal transduction pathways. Recombinant human YWHAG was expressed in E.coli and purified by using conventional chromatography techniques.

Amino acid Sequence

MVDREQLVQK ARLAEQAERY DDMAAAMKNV TELNEPLSNE ERNLLSVAYK NVVGARRSSW RVISSIEQKT SADGNEKKIE
MVRAYREKIE KELEAVCQDV LSLLDNYLIK NCSETQYESK VFYLMKMGDY YRYLAEVATG EKRAVVESS EKAYSEAHEI
SKEHMQPHTP IRLGLALNYS VFYIEIQNAP EQACHLAKTA FDDAIAELDT LNEDSYKDST LIMQLLRDNL TLWTSDQQDD
DGGEGNN

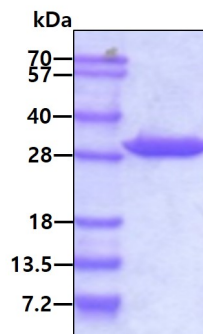
General References

Chen XQ, et al. (2005) *Glia*. 42(4):315-24

Chen XQ, Yu AC, et al. (2002) *Biochem Biophys Res Commun*. 296(3):657-63

DATA

SDS-PAGE



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