Recombinant human 14-3-3 eta protein

Catalog Number: ATGP3347

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-246aa

UniProt No.
Q04917

NCBI Accession No.
NP_003396

Alternative Names
YWHAH, YWHA1, tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein eta, Protein AS1

PRODUCT SPECIFICATION

Molecular Weight
28.2 kDa (246aa)

Concentration
1mg/ml (determined by absorbance at 280nm)

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

Purity
> 90% by SDS-PAGE

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
14-3-3 eta also as known as YWHAH. This protein belong to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. 14-3-3 eta interacts with and relocalizes the A20 zinc finger protein from the insoluble to the soluble fraction, suggesting a chaperone function. It implicated in the regulation of a large spectrum of both general and specialized signaling pathways. Binding to a large number of partners, usually by recognition of a phosphothreonine motif. Recombinant Human 14-3-3 eta was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

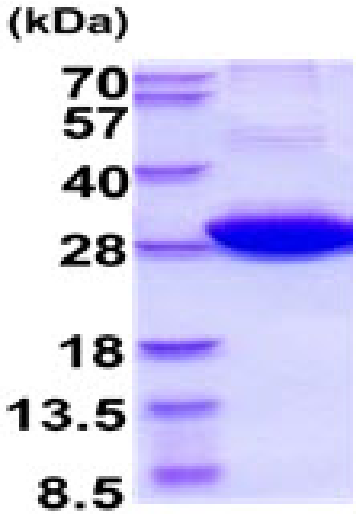
MGDREQLLQR ARLAEQAERY DDMASAMKAV TELNEPLSNE DRNLLSVAYK NVVGARRSSW RVISSIEQKT MADGNEKKLE KVKAYREKIE KELETVCNDV LSLLDKFLIK NCNDFQYESK VFYLKMKGDY YRYLAEVASG EKKNSVVEAS EAAYKEAFEI SKEQMQPTHP IRLGLALNFS VFYYEIQNAP EQACLLAKQA FDDAIAELDT LNEDSYKDST LIMQLLRDNL TLWTSDQQDE EAGEGN

General References

Maksymowych WP., et al. (2014) Arthritis Res Ther. 16(2): R99.
Sato S., et al. (2002) J Biol Chem. 277: 39360-39367

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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