Recombinant human 14-3-3 theta protein

Catalog Number: YWQ0702

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-245aa

UniProt No.
P27348

NCBI Accession No.
NP_006817

Alternative Names
YWHAQ, 14-3-3 protein T-cell, 14-3-3 protein tau, Protein HS1, Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein theta, Protein theta

PRODUCT SPECIFICATION

Molecular Weight
27 kDa (245aa) 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

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 seven isoforms, beta, gamma, epsilon, sigma, zeta, tau and eta that have been identified in mammals. The 14-3-3 tau, a subtype of the 14-3-3 family of proteins, was found in T Cells, brain and testes. This 14-3-3 tau is upregulated in patients with amyotrophic lateral sclerosis. Recombinant human YWHAQ was expressed in E. coli

and purified by using conventional chromatography techniques.

Amino acid Sequence

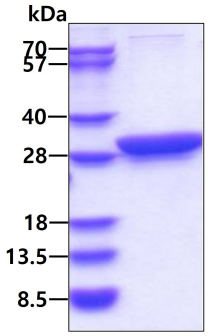
MEKTELIQKA KLAEQAERYD DMATCMKAVT EQGAELSNEE RNLLSVAYKN VVGGRRSAWR VISSIEQKTD TSDKKLQLIK DYREKVESEL RSICTTVLEL LDKYLIANAT NPESKVFYLK MKGDYFRYLA EVACGDDRKQ TIDNSQGAYQ EAFDISKKEM QPTHPIRLGL ALNFSVFYYE ILNNPELACT LAKTAFDEAI AELDTLNEDS YKDSTLIMQL LRDNLTLWTS DSAGEECDAA EGAEN

General References

Liu YC , et al. (1996) J Biol Chem 271: 14591-5
Xiao B , et al. (1995) Nature, 376 188-191

DATA

SDS-PAGE



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