# Product datasheet for AR52074PU-S

## 14-3-3 protein eta (1-246) Human Protein

## Product data:

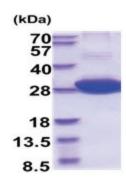| | |
|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | 14-3-3 protein eta (1-246) human protein, 0.1 mg |
| **Species:** | Human |
| **Expression Host:** | E. coli |
| **Expression cDNA Clone or AA Sequence:** | MGDREQLLQR ARLAEQAERY DDMASAMKAV TELNEPLSNE DRNLLSVAYK NVVGARRSSW RVISSIEQKT MADGNEKKLE KVKAYREKIE KELETVCNDV LSLLDKFLIK NCNDFQYESK VFYLKMKGDY YRYLAEVASG EKKNSVVEAS EAAYKEAFEI SKEQMQPTHP IRLGLALNFS VFYYEIQNAP EQACLLAKQA FDDAIAELDT LNEDSYKDST LIMQLLRDNL TLWTSDQQDE EAGEGN |
| **Predicted MW:** | 28.2 kDa |
| **Concentration:** | lot specific |
| **Purity:** | >90% by SDS - PAGE |
| **Buffer:** | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: Phosphate Buffered Saline (pH 7.4) containing 10% glycerol. |
| **Preparation:** | Liquid purified protein |
| **Storage:** | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.<br>Avoid repeated freezing and thawing. |
| **Stability:** | Shelf life: one year from despatch. |
| **RefSeq:** | NP_003396 |
| **Locus ID:** | 7533 |
| **UniProt ID:** | Q04917, A0A024R1K7, Q9H4N8 |
| **Cytogenetics:** | 22q12.3 |
| **Synonyms:** | YWHA1 |

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**Summary:**     This gene product belongs to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals, and this protein is 99% identical to the mouse, rat and bovine orthologs. This gene contains a 7 bp repeat sequence in its 5' UTR, and changes in the number of this repeat have been associated with early-onset schizophrenia and psychotic bipolar disorder. [provided by RefSeq, Jun 2009]

**Protein Families:**     Druggable Genome, Transcription Factors

**Protein Pathways:**     Cell cycle, Neurotrophin signaling pathway, Oocyte meiosis

## Product images:



15% SDS-PAGE (3ug)