

**Product:** 14-3-3 Zeta (1-245aa, His-tagged), Human  
**Catalog #:** 01-2057ZE  
**Amount:** 10 µg

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**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, β, γ, ε, σ, ζ, τ and η that have been identified in mammals. 14-3-3 zeta interacts with IRS1 protein, suggesting a role in regulating insulin sensitivity.

**Full Name:** Tyrosine 3-monooxygenase/ tryptophan 5-monooxygenase activation protein, zeta polypeptide

**Synonyms:** YWHAZ, KCIP-1, MGC111427

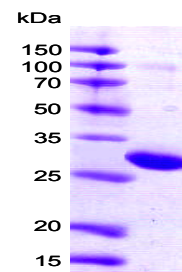
**AA Sequence:**

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMDK NELVQKAKLA  
EQAERYDDMA ACMKSVTEQG AELSNEERNL LSVAYKNVVG ARRSSWRVVS SIEQKTEGAE  
KKQQMAREYR EKIETELRDI CNDVLSLLEK FLIPNASQAE SKVFYLMKMG DYYRYLAEVA  
AGDDKKGIVD QSQQAYQEAF EISKKEMQPT HPIRLGLALN FSVFYEILN SPEKACSLAK  
TAFDEAIAEL DTLSEESYKD STLIMQLLRD NTLWTSDTQ GDEAEAGEGG EN

**SOURCE:** Recombinant, His-tagged (N), *E.coli* expression system  
**MOLECULAR WEIGHT:** 32 kDa (245 aa)  
**PURITY:** > 95% by SDS PAGE  
**FORM:** Purified, in PBS pH 7.4  
**ENDOTOXIN:**  
**CONCENTRATION:** 1 mg/ml (Bradford Assay)  
**STORAGE:** -20°C (aliquot), Avoid repeated freeze and thaw cycles

**REFERENCE:**

L Gannon-Murakami, et al. (2002). J. Biol. Chem., 277(26): 23116-23122  
Li FQ., et al.(2008). J Cell Biol. 181(7):1141-11543



15% SDS-PAGE (3µg)