

## 14.3.3 zeta recombinant protein

14.3.3 zeta protein (His tag)

|                               |                      |                                 |
|-------------------------------|----------------------|---------------------------------|
| CATALOG #<br><b>AAA107758</b> | HOST<br><b>Human</b> | APPLICATIONS<br><b>SDS-Page</b> |
|-------------------------------|----------------------|---------------------------------|

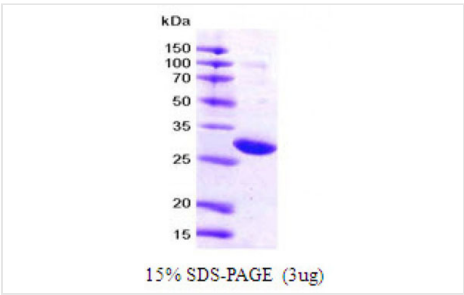
### PRODUCT SYNONYMS

14.3.3 zeta; 14.3.3 zeta protein (His tag); Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein protein; Tyr-3/Trp-5 monooxygenase Activation protein protein; zeta polypeptide protein; Phospholipase A2 protein; Zeta; KCIP-1 protein; 14/3/3 zeta protein; 14-3-3 zeta; Protein kinase C inhibitor protein 1 protein; MGC111427 protein; 14-3-3 zeta protein; 14/3/3 zeta; Tyr3/Trp5 monooxygenase Activation protein protein; zeta polypeptide 14 3 3 protein zeta/delta protein; KCIP1 protein; YWHAZ protein; Zeta protein; 14.3.3 zeta recombinant protein

### PRODUCT SPECIFICATIONS

|                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                        | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Purity/Purification                                         | > 95% pure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Form/Format                                                 | Supplied as a liquid in PBS, pH 7.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Concentration                                               | 1 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Sequence                                                    | 1-245amino acids:MRGS HHHHHHGMAS MTGGQQMGRD LYDDDDKDRW GSHMDKNELV QKAKLAEQAE RYDDMAACMK SVTEQGAELS NEERNLLSVA YKNVVGARRS SWRVVSSIEQ KTEGAEEKKQQ MAREYREKIE TELRDICNDV LSLLEKFLIP NASQAESKVF YLKMKGDIYR YLAEVAAGDD KKGIVDQSQQ AYQEAFFEISK KEMQPTHPIR LGLALNFSVF YYEILNSPEK ACSLAKTAFD EAIAELDTLS EESYKDSTLI MQLLRDNLTL WTSDTQGDEA EAGEGGEN                                                                                                                                                                                                                                            |
| Sequence Length                                             | 245                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Applicable Applications for 14.3.3 zeta recombinant protein | SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Protein Type                                                | Recombinant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Biological Significance                                     | 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. 14-3-3 zeta interacts with IRS1 protein, suggesting a role in regulating insulin sensitivity. Recombinant human YWHAZ, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques. |
| Source                                                      | E Coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Tag/Conjugate                                               | His tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Biohazard                                                   | Recombinant protein with His tag. Use standard laboratory precautions when handling this material                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Preparation and Storage                                     | 4°C short term; -20°C to -80°C long term. Avoid repeat freeze/thaws.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

IMAGES



SDS-PAGE  
Figure annotation denotes ug of protein loaded and % gel used.

ADDITIONAL INFORMATION

|                                                                 |                                                |
|-----------------------------------------------------------------|------------------------------------------------|
| Related Product Information for 14.3.3 zeta recombinant protein | Purified recombinant Human 14.3.3 zeta protein |
| Product Categories/Family for 14.3.3 zeta recombinant protein   | Signal Transduction; Conjugated Proteins       |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                               |
|----------------------------------|-------------------------------------------------------------------------------|
| NCBI GI #                        | 148233284                                                                     |
| NCBI GeneID                      | 379608                                                                        |
| NCBI Accession #                 | NP_001079918.1                                                                |
| NCBI GenBank Nucleotide #        | NM_001086449.1                                                                |
| Molecular Weight                 | 32 kDa (245 aa), confirmed by MALDI-TOF.                                      |
| NCBI Official Full Name          | 14-3-3 protein zeta                                                           |
| NCBI Official Synonym Full Names | tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta< |
| NCBI Official Symbol             | ywhaz-b                                                                       |
| NCBI Official Synonym Symbols    | ywhaz; ywhazb; 14-3-3z; 14-3-3zeta                                            |
| NCBI Protein Information         | 14-3-3 protein zeta                                                           |
| UniProt Protein Name             | 14-3-3 protein zeta                                                           |
| UniProt Gene Name                | ywhaz                                                                         |
| UniProt Entry Name               | 1433Z_XENLA                                                                   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ywhaz-recombinant-protein-human-sds-page/107758>