

Product datasheet for TP309909

14-3-3 zeta (YWHAZ) (NM_003406) Human Recombinant Protein

Product data:

| | |
|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide (YWHAZ), transcript variant 1, 20 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC209909 representing NM_003406 Red =Cloning site Green =Tags(s) |
| | MDKNELVQKAKLAEQAERYDDMAACMKSVTEQGAELSNEERNLLSVAYKNVVGARRSSWRVSSIEQKTE GAEKKQQMAREYREKIETELRDICNDVLSLLEKFLIPNASQAESKVFLKMKGDYYRYLAEVAAGDDKKG IVDQSQQAYQEAFEISKEMQPTHPIRLGLALNFSVFYIEILNSPEKACSLAKTAFDEAIAELDTLSEES YKDSTLIMQLLRDNLTLWTSDTQGDEAEAGEGGEN |
| | TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| Tag: | C-Myc/DDK |
| Predicted MW: | 27.6 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_003397 |
| Locus ID: | 7534 |



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UniProt ID: [P63104](#), [D0PNI1](#)

RefSeq Size: 2834

Cytogenetics: 8q22.3

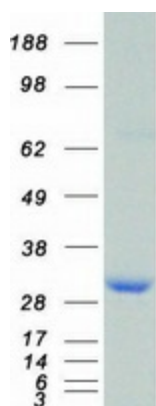
RefSeq ORF: 735

Synonyms: 14-3-3-zeta; HEL-S-3; HEL-S-93; HEL4; KCIP-1; POPCHAS; YWHAD

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 sheep orthologs. The encoded protein interacts with IRS1 protein, suggesting a role in regulating insulin sensitivity. Several transcript variants that differ in the 5' UTR but that encode the same protein have been identified for this gene. [provided by RefSeq, Oct 2008]

Protein Pathways: Cell cycle, Neurotrophin signaling pathway, Oocyte meiosis, Pathogenic Escherichia coli infection

Product images:



Coomassie blue staining of purified YWHAZ protein (Cat# TP309909). The protein was produced from HEK293T cells transfected with YWHAZ cDNA clone (Cat# [RC209909]) using MegaTran 2.0 (Cat# [TT210002]).