

## Product datasheet for **TP300960**

### Zyxin (ZYG) (NM\_001010972) Human Recombinant Protein

#### Product data:

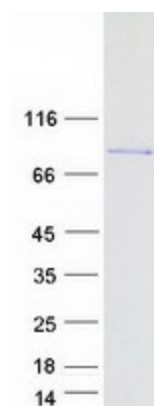
<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human zyxin (ZYX), transcript variant 2, 20 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC200960 representing NM_001010972 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MAAPRPSPAISVSVSAPAFYAPQKKFGPVVAPKPKVNPFRPGDSEPPPAPGAQRAQMGRVGEIPPPPPED  FPLPPPPLAGDGDDAEGALGGAFPPPPPIEESFPPAPLEEEIFSPPPPPPEEGGPEAPIPPPPQPREK  VSSIDLEIDSLSSLLDDMTKNDPFKARVSSGYVPPPVPATPFSSKSSTKPAAGGTAPLPPWKSPSSSQPLP  QVPAPAQSQTQFHVQPQPQPKPQVQLHVQSQTQPVSLANTQPRGPPASSPAPAPKFSVPTPKFTPVASKF  SPGAPGGSGSQPNQKLGHEALSAGTGSPQPPSFTYAQQREKPRVQEKQHPVPPPAQNQNQVRSFGAPGP  LTLKEVEELEQLTQQLMQDMEHPQRQNVAVNELCGRCHQPLARAQPAVRALGQLFHIACTCHQCAQQLQ  GQQFYSLEGAPYCEGCYTDLTLEKNTCGEPITDRMLRATGKAYHPHCFTCVCARPLEGTSFIVDQANRP  HCVDPDYHKQYAPRCSVCSEPIPEPGRDETVRVVALDKNFHMKCYKCEDCGKPLSIEADDNGCFPLDGHV  LCRKCHTARAQT</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	61.1 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.



[View online »](#)

<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001010972</a>
<b>Locus ID:</b>	7791
<b>UniProt ID:</b>	<a href="#">Q15942</a> , <a href="#">Q96AF9</a>
<b>RefSeq Size:</b>	2322
<b>Cytogenetics:</b>	7q34
<b>RefSeq ORF:</b>	1716
<b>Synonyms:</b>	ESP-2; HED-2
<b>Summary:</b>	Focal adhesions are actin-rich structures that enable cells to adhere to the extracellular matrix and at which protein complexes involved in signal transduction assemble. Zyxin is a zinc-binding phosphoprotein that concentrates at focal adhesions and along the actin cytoskeleton. Zyxin has an N-terminal proline-rich domain and three LIM domains in its C-terminal half. The proline-rich domain may interact with SH3 domains of proteins involved in signal transduction pathways while the LIM domains are likely involved in protein-protein binding. Zyxin may function as a messenger in the signal transduction pathway that mediates adhesion-stimulated changes in gene expression and may modulate the cytoskeletal organization of actin bundles. Alternative splicing results in multiple transcript variants that encode the same isoform. [provided by RefSeq, Jul 2008]
<b>Protein Pathways:</b>	Focal adhesion

### Product images:



Coomassie blue staining of purified ZYX protein (Cat# TP300960). The protein was produced from HEK293T cells transfected with ZYX cDNA clone (Cat# [RC200960]) using MegaTran 2.0 (Cat# [TT210002]).