

Recombinant Human ZYX Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ZYX-3269H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ZYX MS Standard C13 and N15-labeled recombinant protein (NP_001010972) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	61.3 kDa
AA Sequence	MAAPRPSPAISVSVSAPAFYAPQKKFGPVVAPKPKVNPFRPGDSEPPPPAPGAQRAQ MGRVGEIPPPPPEDFPLPPPPLAGDGDDAEGALGGAFFFFPPPIIEESFPPAPLEEEI

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FPSPPPPPEEEGGPEAPIPPPPQPREKVSSIDLEIDSLSSLLDDMTKNDPFKARVSSG
 YVPPPVPATPFSSKSSTKPAAGGTAPLPPWKSPSSSQPLPQVPAPAQSQTQFHVQP
 QPQPKPQVQLHVQSQTQPVSLANTQPRGPPASSPAPAPKFSPVTPKFTPVASKFSP
 GAPGGSGSQPNQKLGHPEALSAGTGSPQPPSFTYAQQREKPRVQEKQHPVPPPA
 QNQNVRSPPGAPGPLTLKEVEELEQLTQQLMQDMEHPQRQNVAVNELCGRCHQP
 LARAQPAVRALGQLFHIACFTCHQCAQQLQGQFYSLEGAPYCEGCYTDLTLEKCNT
 CGEPITDRMLRATGKAYHPHCFTCVVCARPLEGTSFIVDQANRPHCVDPYHKQYAP
 RCSVCSEPIMPEPGRDETVRVVALDKNFHMKCYKCEDCGKPLSIEADDNGCFPLDG
 HVLCRKCHTARAQTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ZYX zyxin [Homo sapiens (human)]
Official Symbol	ZYX
Synonyms	ZYX; zyxin; zyxin-2; ESP-2; HED-2;
Gene ID	7791

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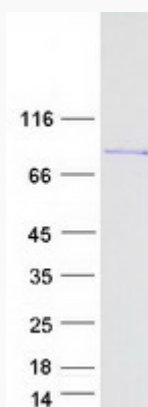
mRNA Refseq [NM_001010972](#)

Protein Refseq [NP_001010972](#)

MIM [602002](#)

UniProt ID [Q15942](#)

SDS-PAGE



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