

Recombinant Full Length Human ZYX Protein, Flag tagged

Cat. No. ZYX-50HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human zyxin (ZYX), transcript variant 1 with C-Flag tag was expressed in HEK293T.
Species	Human
Source	HEK293T
ProteinLength	1-572 aa
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.
Form	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Molecular Mass	61.1 kDa

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AASequence

MAAPRPSPAISVSVSAPAFYAPQKKFGPVVAPKPKVNPFRPGDSEPPPPAPGAQRAQ
MGRVGEIPPPPPEDFPLPPPPLAGDGDDAEGALGGAFPPPPPIEESFPPAPLEEEI
FPSPPPPPEEEGGPEAPIPPPPQPREKVSSIDLEIDSLSSLLDDMTKNDPFFKARVSSG
YVPPPVA TPFSKSSSTKPAAGGTAPLPPWKSPSSSQPLPQVPAPAQSQTQFHVQP
QPQPKPQVQLHVQSQTQPVSLANTQPRGPPASSPAPAPKFSPVTPKFTPVASKFSP
GAPGGSGSQPNQKLGHPEALSAGTGSPQPPSFTYAQQREKPRVQEKQHPVPPPA
QNQNQVRSPGAPGPLTLKEVEELEQLTQQLMQDMEHPQRQNVAVNELCGRCHQP
LARAQPAVRALGQLFHIACTCHQCAQQLQGQFYSLEGAPYCEGCYTDITLEKCNT
CGEPITDRMLRATGKAYHPHCFTCVVCARPLEGTSFIVDQANRPHCVDPYHKQYAP
RCSVCSEPIPEPGRDETVRVVALDKNFHMKCYKCEDCGKPLSIEADDNGCFPLDG
HVLCKRCHTARAQTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Notes 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 centigrade. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Concentration >0.05 µg/µL as determined by microplate BCA method

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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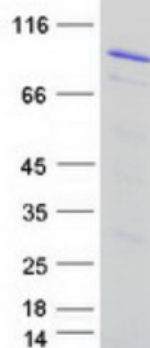
mRNA Refseq [NM_003461](#)

Protein Refseq [NP_003452](#)

MIM [602002](#)

UniProt ID [Q15942](#)

SDS-PAGE



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