



# Recombinant Human Zyxin (ZYX)

<b>Product Code</b>	CSB-YP027165HU
<b>Abbreviation</b>	ZYX
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q15942
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	AAPRPSPAISVSVSAPAFYAPQKKFGPVPVAPKPKVNPFRPGDSEPPPAPGAQ RAQMGRVG EIPPPPPEDFPLPPPPLAGDGDDAEGALGGAFPPPPPIEESFPPAPLEEEIFP SPPPPP EEEGGPEAPIPPPPQPREKVSSIDLEIDSLSSLLDDMTKNDPFKARVSSGYVPP PVATPF SSKSSTKPAAGGTAPLPPWKSPSSSQPLPQVPAPAQSQTQFHVQPQPQPKP QVQLHVQSQ TQPVSLANTQPRGPPASSPAPAPKFSPVTPKFTPVASKFSPGAPGGSGSQPN QKLGHPEA LSAGTGSPQPPSFTYAQQREKPRVQEKQHPVPPPAQNQNQVRSPGAPGPLT LKEVEELEQ LTQQLMQDMEHPQRQNVAVNELCGRCHQPLARAQPAVRALGQLFHIACTC HQCAQQLQG QQFYSLEGAPYCEGICYDTLEKCNCTGEPITDRMLRATGKAYHPHCFTCVVC ARPLEGTS FIVDQANRPHCVDPYHKQYAPRCVCSEPIMPEPGRDETVRVVALDKNFHMK CYKCEDCG KPLSIEADDNGCFPLDGHVLCRKCHTARAQT
<b>Source</b>	Yeast
<b>Target Names</b>	ZYX
<b>Protein Names</b>	Recommended name: Zyxin Alternative name(s): Zyxin-2
<b>Expression Region</b>	2-572
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</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.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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