



Recombinant Human Zyxin (ZYX)

Product Code	CSB-EP027165HU
Abbreviation	ZYX
Storage	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.
Uniprot No.	Q15942
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	AAPRPSPAISVSVSAPAFYAPQKKFGPVVAPKPKVNPFRPGDSEPPPAPGAQ RAQMGRVG EIPPPPPEDFPLPPPPLAGDGDDAEGALGGAFPPPPPIEESFPPAPLEEEIFP SPPPPP EEEGGPEAPIPPPPQPREKVSSIDLEIDSLSSLLDDMTKNDPDKARVSSGYVPP PVATPF SSKSSTKPAAGGTAPLPPWKSPSSSQPLPQVPAPAQSQTQFHVQPQPQPKP QVQLHVQSQ TQPVSLANTQPRGPPASSPAPAPKFSPVTPKFTPVASKFSPGAPGGSGSQPN QKLGHPEA LSAGTGSPQPPSFTYAQQREKPRVQEKQHPVPPPAQNQNQVRSPGAPGPLT LKEVEELEQ LTQQLMQDMEHPQRQNVAVNELCGRCHQPLARAQPAVRALGQLFHACFTC HQCAQQLQG QQFYSLEGAPYCEGCYTDLTLEKCNTEGEPITDRMLRATGKAYHPHCFTCVVC ARPLEGTS FIVDQANRPHCVDPYHKQYAPRCVCSEPIMPEPGRDETVRVVALDKNFHMK CYKCEDCG KPLSIEADDNGCFPLDGHVLCRKCHTARAQT
Source	E.coli
Target Names	ZYX
Protein Names	Recommended name: Zyxin Alternative name(s): Zyxin-2
Expression Region	2-572
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.

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.

Shelf Life

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