

Product datasheet for PH300960

Zyxin (ZYG) (NM_001010972) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ZYG MS Standard C13 and N15-labeled recombinant protein (NP_001010972)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200960
Predicted MW:	61.3 kDa
Protein Sequence:	>RC200960 representing NM_001010972 Red=Cloning site Green=Tags(s)

MAAPRPSPAISVSVSAPAFYAPQKKFGPVVAPKPKVNPFRPGDSEPPAPGAQRAQMGRVGEIPPPPPED
FPLPPPLAGDGAEGALGGAFFFFPPIEESFPAPLEEEIFPSPPPPEEGGPEAPIPPPQPREK
VSSIDLEIDSLSSLLDDMTKNDPFKARVSSGYVPPVATPFSSKSSTKPAAGGTAPLPPWKSPPSSQPLP
QVPAPAQSQTQFHVQPQPKPQVQLHVQSQTQPVSLANTQPRGPPASSPAPAPKFSPVTPKFTPVASKF
SPGAPGGSGSQPNQKLGHPREALSAGTGSPPSFTYAQQREKPRVQEKQHPVPPPAQNQNQVRSPGAGP
LTLKEVEELEQLTQQLMQDMEHPQRQNVAVNELCGRCHQPLARAQPAVRALGQLFHIACFTCHQCAQQLQ
GQQFYSLGAPYCEGCYTDLTLEKNTCGEPIIDRMLRATGKAYHPHCFTCVVCARPLEGTSFIVDQANRP
HCVPDYHKQYAPRCSVCSEPIPEPGRDETVRVVALDKNFHMKCYKCEDCGKPLSIEADDNGCFPLDGHV
LCRKCHTARAQT

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001010972</u>
RefSeq Size:	2322
RefSeq ORF:	1716



[View online »](#)

Synonyms: ESP-2; HED-2

Locus ID: 7791

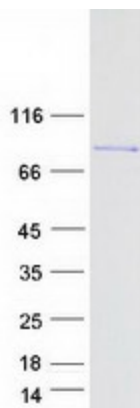
UniProt ID: [Q15942](#), [Q96AF9](#)

Cytogenetics: 7q34

Summary: 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]

Protein Pathways: 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]).