

## Product datasheet for PH317082

### CYFIP2 (NM\_014376) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	CYFIP2 MS Standard C13 and N15-labeled recombinant protein (NP_055191)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217082
Predicted MW:	145.7 kDa
Protein Sequence:	>RC217082 protein sequence Red=Cloning site Green=Tags(s)

MTTHVTLEDALSNVDLLEELPLPDQPPCIEPPSSIMYQANFDTNFEDRNAFVTGIARYIEQATVHSSMN  
EMLEEGHEYAVMLYTWRSRCSRAIPQVKCNEQPNRVEIYEKTVLEVLEPEVTKLMKMFYQKAIERFCSEV  
KRLCHAERRKDFVSEAYLLTLGKFINMFAVLDELKNMKCSVKNDHSAYKRAAQFLRKMADPQSIQESQNL  
SMFLANHNRIQTCLHQLEVIPGYEELLADIVNICVDYENKMYLTPSEKHMLLKVMGFLYLMDGNVSN  
IYKLDAKKRINLSKIDKFFKQLQVVPLFGDMQIELARYIKTSAHYEENKSKWTCTQSSISPQYNICEQMV  
QIRDDHIRFISELARYSNSEVVTGSLDSQKSDEEYRELFDLALRGLQLLSKWSAHVMEVYSWLKHPTD  
KFCNKDCPGTAEEYERATRYNYTSEEKFAFVEVIAMIKGLQVLMGRMESVFNQAIRNTIYAALQDFAQVT  
LREPLRQAVRKKKNVLISVLQAIRKTCIDWEGGREPPNDPCLRGEKDPKGGFDIKVPRRAVGPSSTQLYM  
VRTMLES LIADKSGSKTLRSSLDGPIVLAIEDFHKQSF FFFTHLLNISEALQCCDLSQLWFREFFLELT  
MGRRIQFPIEMSPWILTDHILETKEPSMMEYVLYPLDLYNDSAYALTKFKKQFLYDEIEAEVNLCFDQ  
FVYKLADQIFAYYKAMAGSVLLDKRFRAECKNYGVIIIPPSSNRJETLLKQRHVQLLGRSIDLNRLITQR  
TSAAMYKSLDQAISRFESEDLTSIVELEWLLIENRLTHRLLCKHMTLDSFDAMFREANHNVSAPYGRITL  
HVFWELNFDLFLPNYCYNGSTNRFVRTAIPFTQEPQRDKPANVQPYLYGSKPLNIAYSHIYSSYRNFVGP  
PHFKTICRLLGYQGIQVMEELLKIVKSLQGTILQYVKTLEIEMPKICRLPRHEYGSPGILEFFHHQLK  
DIEEYAEKTDVQSLREVGNAILFCLLIEQALSQEEVCDLLHAAPFQNILPRVYIKEGERLEVRMKRLE  
AKYAPLHLVPLIERLGTQQIAIAREGDLTKERLCCGLSMFEVILTRIRSYLQDPIWRGPPPTNGVMHV  
DECVEFHRLWSAMQFVYICIPVGTNEFTAQCFCGDGLNWAGCSIIVLLGQQRRFDLDFCYHLLKQVRQDG  
KDEIKNVPLKKMADRIRKYQILNNEVFAILNKYMKSVETDSSTVEHVRCFQPPIHQSLATTC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

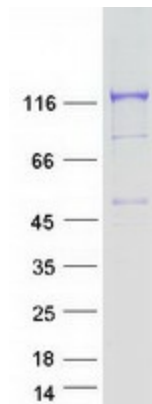
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine



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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:	<a href="#">NP_055191</a>
RefSeq Size:	6625
RefSeq ORF:	3759
Synonyms:	EIEE65; PIR121
Locus ID:	26999
UniProt ID:	<a href="#">Q96F07</a>
Cytogenetics:	5q33.3
Summary:	Involved in T-cell adhesion and p53/TP53-dependent induction of apoptosis. Does not bind RNA. As component of the WAVE1 complex, required for BDNF-NTRK2 endocytic trafficking and signaling from early endosomes (By similarity).[UniProtKB/Swiss-Prot Function]
Protein Pathways:	Regulation of actin cytoskeleton

### Product images:



Coomassie blue staining of purified CYFIP2 protein (Cat# [TP317082]). The protein was produced from HEK293T cells transfected with CYFIP2 cDNA clone (Cat# [RC217082]) using MegaTran 2.0 (Cat# [TT210002]).