

## Product datasheet for PH313560

### Cordon bleu homolog (COBL) (NM\_015198) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	COBL MS Standard C13 and N15-labeled recombinant protein (NP_056013)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213560
Predicted MW:	135.4 kDa
Protein Sequence:	>RC213560 representing NM_015198 Red=Cloning site Green=Tags(s)

MDAPRASAAPPTGRKMKARAPPPGKAATLHVHSDQKPPHDGALGSQQNLVRMKEALRASTMDVTVVLP  
SGLKRSVLNGSHAMDLLVELCLQNHLPNHHALEIRSETQQPLSFKPNTLIGTLNVHTVFLKEKVPE  
EKVKPGPPKVPEKSVRLVNYLRTQKAVVRVSPVPLQNILPVICAKCEVSPEHVLLRDNIAGEEELS  
KSLNELGIKELYAWDNRETFRKSSLGNDKEDTKEKKKFLGFFKVNKRSNSKGCLTTPNSPSMHSRSLTLG  
PSLSLGSISGVSVKSEMKRRAPPPGSGPPVQDKASEKVSLSQIDLQKKRRAPAPPPQPPPSPLI  
PNRTDKEENRSTMVSLPLGSGSHCSPDGAPQVLSEAEETVSVGSCFASDPTTEDSGVMSSPDIIVSLD  
SQQDSMKYKDKWATDQEDCSDQDLAGTPDLGPQKSPLEWKNSESHLRTEKAVTASNDEEDLLIAGEFR  
KTLAELDEDELEMEDSYETDTSSTLSSIHGASNHCPQDAMIHPGTDTAIPVTFIGEVSDDPVDSGLFSNR  
NNNAGSFDSEGVASRRDSLAPLQAEHSQPHEKAREEVPALHPASHDVGKIRVALSNISKDGNLMEAPR  
VTSFASNLHTDNLNAKVKDKVYGCADGERTQATERVNSQPVNEKDSNDKNAALAPTSHWQRGQNPCKSYR  
LKHGLTTYKIIPPKSEMRCYDRDVSLSGTGAIKIDELGNLVSPHATGIRIISLSSSVPEAESQPIGKVRFE  
WRCNSVEKHLGRPSESSARGPPSTPVPTQTQNPESRLQADPKPISPPQKSAHHEGRNPLGEGRNQPPMTG  
MGHVRVPAHAHTTEVTFLLKQRRSTSSQYVASIAKRIGAPKVHADVVRPHGYAEKGYAGKAPVLAAPPVTV  
KDDRTSSPHSETQGWKGAQWPCVTPPNNHGEDLAVGAPPRGEVIGPHRKLSTQDRPAAIHRSSCFSLVQ  
SSQRDRVSVGQSCGFSGKQSTSSQEASSASEPRRAPDGTDPHPHTSDTQACSRELVNGSVRAPGHGEP  
HPPGSGTESHILLEREKPSVFDGNETDSIWPPSIFGPKKFKPVVQRPVVKDTSLSHALMEAIHSA  
GGKDRLRKTAETHGEGRAKLSYTEAEGERSALLAAIRGHSGTCSLRKVVASSASEELQSFDAALSAQGS  
ESPLLEDLGLLSPPAIPPPPPPSQALSAPRTASRFSTGTLSENTADARQALMDAIRSGTGAARLRKVPLL  
V

SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV

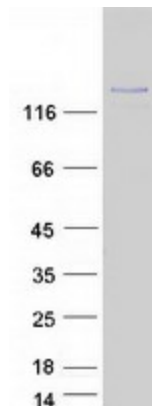
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method



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<b>Labeling Method:</b>	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
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3
<b>Storage:</b>	Store at -80°C. Avoid repeated freeze-thaw cycles.
<b>Stability:</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>RefSeq:</b>	<a href="#">NP_056013</a>
<b>RefSeq Size:</b>	5289
<b>RefSeq ORF:</b>	3783
<b>Locus ID:</b>	23242
<b>UniProt ID:</b>	<a href="#">O75128</a>
<b>Cytogenetics:</b>	7p12.1
<b>Summary:</b>	This gene encodes a protein that contains WH2 domains (WASP, Wiskott-Aldrich syndrome protein, homology domain-2) that interact with actin. The encoded actin regulator protein is required for growth and assembly of brush border microvilli that play a role in maintaining intestinal homeostasis. A similar protein in mouse functions in midbrain neural tube closure. A pseudogene of this gene is located on chromosome X. [provided by RefSeq, Oct 2016]

### Product images:



Coomassie blue staining of purified COBL protein (Cat# [TP313560]). The protein was produced from HEK293T cells transfected with COBL cDNA clone (Cat# [RC213560]) using MegaTran 2.0 (Cat# [TT210002]).