OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for PH325208

HP1 alpha (CBX5) (NM_001127321) Human Mass Spec Standard

Product data:

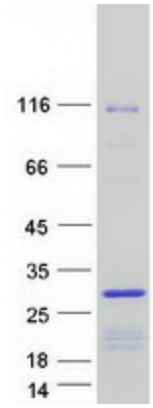
Product Type:	Mass Spec Standards
Description:	CBX5 MS Standard C13 and N15-labeled recombinant protein (NP_001120793)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC225208
Predicted MW:	22.2 kDa
Protein Sequence:	>RC225208 protein sequence Red=Cloning site Green=Tags(s) MGKKTKRTADSSSSEDEEEYVVEKVLDRRVVKGQVEYLLKWKGFSEEHNTWEPEKNLDCPELISEFMKKY KKMKEGENNKPREKSESNKRKSNFSNSADDIKSKKKREQSNDIARGFERGLEPEKIIGATDSCGDLMFLM KWKDTDEADLVLAKEANVKCPQIVIAFYEERLTWHAYPEDAENKEKETAKS 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- 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:	NP_001120793
RefSeq Size:	11525
RefSeq ORF:	573
Synonyms:	HEL25; HP1; HP1A
Locus ID:	23468
UniProt ID:	P45973, V9HWG0

View online »

Cytogenetics: 12q13.13

Summary: This gene encodes a highly conserved nonhistone protein, which is a member of the heterochromatin protein family. The protein is enriched in the heterochromatin and associated with centromeres. The protein has a single N-terminal chromodomain which can bind to histone proteins via methylated lysine residues, and a C-terminal chromo shadow-domain (CSD) which is responsible for the homodimerization and interaction with a number of chromatin-associated nonhistone proteins. The encoded product is involved in the formation of functional kinetochore through interaction with essential kinetochore proteins. The gene has a pseudogene located on chromosome 3. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified CBX5 protein (Cat# [TP325208]). The protein was produced from HEK293T cells transfected with CBX5 cDNA clone (Cat# [RC225208]) using MegaTran 2.0 (Cat# [TT210002]).