

Product datasheet for PH320388

HP1 gamma (CBX3) (NM_016587) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CBX3 MS Standard C13 and N15-labeled recombinant protein (NP_057671)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220388
Predicted MW:	20.8 kDa
Protein Sequence:	>RC220388 protein sequence Red=Cloning site Green=Tags(s) MASNKTTLQKMGKKQNGKSKKVVEAEPEEFVVEKVLDRRVVNGKVEYFLKWKGFADADNTWEPEENLDCP ELIEAFLNSQKAGKEKDGTKRKSLSDSESDSKSKKRDAADKPRGFARGLDPERIIGATDSSGELMFLM KWKDSDEADLVLAKEANMKCPQIVIAFYEERL TWHSCPEDEAQ 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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_057671
RefSeq Size:	2102
RefSeq ORF:	549
Synonyms:	HECH; HP1-GAMMA; HP1Hs-gamma
Locus ID:	11335
UniProt ID:	Q13185 , A4D177



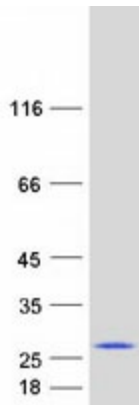
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Cytogenetics: 7p15.2

Summary: At the nuclear envelope, the nuclear lamina and heterochromatin are adjacent to the inner nuclear membrane. The protein encoded by this gene binds DNA and is a component of heterochromatin. This protein also can bind lamin B receptor, an integral membrane protein found in the inner nuclear membrane. The dual binding functions of the encoded protein may explain the association of heterochromatin with the inner nuclear membrane. This protein binds histone H3 tails methylated at Lys-9 sites. This protein is also recruited to sites of ultraviolet-induced DNA damage and double-strand breaks. Two transcript variants encoding the same protein but differing in the 5' UTR, have been found for this gene. [provided by RefSeq, Mar 2011]

Protein Families: Druggable Genome, Transcription Factors

Product images:



Coomassie blue staining of purified CBX3 protein (Cat# [TP320388]). The protein was produced from HEK293T cells transfected with CBX3 cDNA clone (Cat# [RC220388]) using MegaTran 2.0 (Cat# [TT210002]).