

OriGene Technologies, Inc.

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Product datasheet for TP760487

HP1 alpha (CBX5) (NM_001127322) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human chromobox homolog 5 (CBX5), transcript variant 1, full length, with N-terminal HIS tag, expressed in E.Coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding human full-length CBX5
Tag:	N-His
Predicted MW:	22 kDa
Concentration:	>0.05 μ g/ μ L as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP 001120794</u>
Locus ID:	23468
UniProt ID:	<u>P45973, V9HWG0</u>
RefSeq Size:	11723
Cytogenetics:	12~12.12
	12q13.13
RefSeq ORF:	573
RefSeq ORF: Synonyms:	

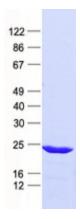


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Summary:This gene encodes a highly conserved nonhistone protein, which is a member of the
heterochromatin protein family. The protein is enriched in the heterochromatin and
associated with centromeres. The protein has a single N-terminal chromodomain 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:



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