

Full-Length

CBX5 (Human) Recombinant Protein (P01)

Catalog # H00023468-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CBX5 full-length ORF (AAH06821, 1 a.a. - 191 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MGKTKRTADSSSSSEDEEEYVVEKVLDRRVVKGQVEYLLKWKGFSSEHNTWEPEKNLDCPELI SEFMKKYKKMKEGENNKPRESKSNKRSNFSNSADDIKSKKKREQSNDIARGFERGLEPEKIIIG ATDSCGDLMLMKWKDTDEADLVLAKEANVKCPQVIAFYEERLTWHAYPEDAENKEKETAKS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	46.75
Interspecies Antigen Sequence	Mouse (97); Rat (97)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CBX5

Entrez GeneID [23468](#)

GeneBank Accession# [BC006821](#)

Protein Accession# [AAH06821](#)

Gene Name CBX5

Gene Alias HP1, HP1A

Gene Description chromobox homolog 5 (HP1 alpha homolog, Drosophila)

Omim ID [604478](#)

Gene Ontology [Hyperlink](#)

Gene 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]

Other Designations HP1-ALPHA|HP1Hs alpha|antigen p25|heterochromatin protein 1 homolog alpha|heterochromatin protein 1-alpha