

Full-Length

CBX3 (Human) Recombinant Protein (P01)

Catalog # H00011335-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CBX3 full-length ORF (AAH00954, 1 a.a. - 183 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MASNKTTLQKMGKKQNGKSKKVVEEAPEEFVVEKVLDRRVVNGKVEYFLKWKGFTDADNTWE PEENLDCPELIEAFLNSQKAGKEKDGTGRKSLSDSESDSKSKKKRDAADKPRGFARGLDPERII GATDSSGELMLLMKWKDSDEADLVLAKEANMKCPQIVIAFYEERLTWHSCPEDEAQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	45.87
Interspecies Antigen Sequence	Mouse (100); Rat (100)
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 — CBX3

Entrez GeneID [11335](#)**GeneBank Accession#** [BC000954](#)**Protein Accession#** [AAH00954](#)**Gene Name** CBX3**Gene Alias** HECH, HP1-GAMMA, HP1Hs-gamma**Gene Description** chromobox homolog 3 (HP1 gamma homolog, Drosophila)**Omim ID** [604477](#)**Gene Ontology** [Hyperlink](#)

Gene 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. Two transcript variants encoding the same protein but differing in the 5' UTR, have been found for this gene. [provided by RefSeq]

Other Designations HP1 gamma homolog|OTTHUMP00000024529|OTTHUMP00000122519|chromobox homolog 3|heterochromatin protein HP1 gamma|heterochromatin-like protein 1

Publication Reference

- [Heterochromatin protein 1 gamma and IκB kinase alpha interdependence during tumour necrosis factor gene transcription elongation in activated macrophages.](#)

Thorne JL, Ouboussad L, Lefevre PF.

Nucleic Acids Research 2012 Sep; 40(16):7676.

Application: ChIP, WB, Mouse, RAW264.7 cells