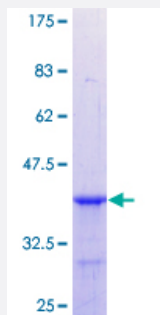


CBX1 (Human) Recombinant Protein (Q01)

Catalog # H00010951-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CBX1 partial ORF (NP_006798.1, 2 a.a. - 99 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	GKKQNKKKKVEEVLEEEEEYYVEKVLDRRVVKGKVEYLLKWKGFSDDEDNTWEPEENLDCPDLI AEFLQSQKTAHETDKSEGKGRKADSDSEDKGEESK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.52
Interspecies Antigen Sequence	Mouse (100); Rat (99)
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 — CBX1

Entrez GeneID [10951](#)

GeneBank Accession# [NM_006807](#)

Protein Accession# [NP_006798.1](#)

Gene Name CBX1

Gene Alias CBX, HP1-BETA, HP1Hs-beta, HP1Hsbeta, M31, MOD1, p25beta

Gene Description chromobox homolog 1 (HP1 beta homolog Drosophila)

Omim ID [604511](#)

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 protein may play an important role in the epigenetic control of chromatin structure and gene expression. Several related pseudogenes are located on chromosomes 1, 3, and X. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq

Other Designations heterochromatin protein 1-beta|heterochromatin protein p25 beta|modifier 1 protein