Recombinant Human CBX1, GST-tagged

Cat. No. CBX1-10766H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CBX1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	6-185a.a.
Description	Calpains are ubiquitous, well-conserved family of calcium-dependent, cysteine proteases. The calpain proteins are heterodimers consisting of an invariant small subunit and variable large subunits. The large subunit possesses a cysteine protease domain, and both subunits possess calcium-binding domains. Calpains have been implicated in neurodegenerative processes, as their activation can be triggered by calcium influx and oxidative stress. The protein encoded by this gene is highly expressed in the placenta. Its C-terminal region lacks any homology to the calmodulin-like domain of other calpains. The protein lacks critical active site residues and thus is suggested to be proteolytically inactive. The protein may play a role in tumor formation by inhibiting apoptosis and promoting angiogenesis.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	CBX1 chromobox homolog 1 [Homo sapiens]
Official Symbol	CBX1
Synonyms	CBX1; chromobox homolog 1; chromobox homolog 1 (Drosophila HP1 beta); chromobox protein homolog 1; CBX; HP1 beta homolog (Drosophila); HP1 BETA; HP1Hs beta; M31; MOD1; HP1 beta homolog; modifier 1 protein; heterochromatin protein 1-beta; heterochromatin protein p25 beta; heterochromatin protein 1 homolog beta; chromobox homolog 1 (HP1 beta homolog Drosophila); p25beta; HP1-BETA; HP1Hsbeta; HP1Hs-beta;
Gene ID	10951
mRNA Refseq	NM_001127228
Protein Refseq	NP_001120700
MIM	604511
UniProt ID	P83916
Chromosome Location	17q21.32
Function	chromatin binding; enzyme binding; identical protein binding; protein binding;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA