
Product Data Sheet

Product Name: CBX3 Human
 Cat. No.: GP22978
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Chromobox homolog 3 (Drosophila HP1 gamma); Heterochromatin protein 1 homolog gamma; Modifier 2 protein; HP1 gamma homolog; HECH; HP1Hs-gamma.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSHTMASNKT TLQKMGKKQN GSKKKVEEAE PEEFVVEKVL DRRVVNGKVE YFLKWKGFTD ADNTWEPEEN LDCPELIEAF LNSQKAGKEK DGTKRKSLSD SESDDSKSKK KRDAADKPRG FARGLDPERI IGATDSSGEL MFLMKWKDSD EADLVLAKEA NMKCPQIVIA FYEERLTWHS CPEDEAQ.		
Formulation	The CBX3 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 20% glycerol.		

Introduction

CBX3 takes part in transcriptional silencing in heterochromatin-like complexes. CBX3 identifies and binds histone H3 tails methylated at 'Lys-9', thereby create an epigenetic repression. Additionally, CBX3 takes part in the formation of functional kinetochore by interacting with MIS12 complex proteins.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CBX3 Human Recombinant produced in E. coli is a single polypeptide chain containing 207 amino acids (1-183) and having a molecular mass of 23.4kDa. CBX3 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA