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**Product Data Sheet**


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Product Name: CBX5 Human  
 Cat. No.: GP22979  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Chromobox homolog 5 (HP1 alpha homolog; Drosophila); Heterochromatin protein 1 homolog alpha; HP1Hs alpha; HP1 alpha homolog.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGS HMGKTK RTADSSSED EEEYVVEKVL DRRVVKGQVE YLLKWKGFSE EHNTWEPEKN LDCPELISEF MKKYKKMKEG ENNKPREKSE SNKRKSNFSN SADDIKSKKK REQSNDIARG FERGLEPEKI IGATDSCGDL MFLMKWKD TD EADLVLAKEA NVKCPQIVIA FYEERLTWHA YPEDAENKEK ETAKS.		
Formulation	The CBX5 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 30% glycerol.		

**Introduction**

CBX5 belongs to the heterochromatin protein family. CBX5 is enriched in the heterochromatin and linked with centromeres. CBX5 takes part in the creation of functional kinetochore by interaction with important kinetochore proteins. CBX5 has a pseudogene situated on chromosome 3. Additionally, The CBX5 proteins reconnect with chromatin at the end of mitosis, as Histone H3 is dephosphorylated.

**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**

CBX5 Human Recombinant produced in E. coli is a single polypeptide chain containing 215 amino acids (1-191) and having a molecular mass of 24.8kDa. CBX5 is fused to a 24

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

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amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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