

TECHNICAL DATASHEET

HP1α recombinant protein

Other names: CBX1, MOD1, M31, P25ß

Cat. No. C23010101 Source: E. coli Lot #: 001

Size: 25 μg/ 50 μl Concentration: 0.5 μg/μl Specificity: Human **Purity:** Purified using FPLC, >98% purity as determined by SDS-PAGE.

Storage buffer: 20 mM Tris-Cl pH 7.6, 1 mM EDTA, 0.15 M NaCl, 10% glycerol, 0.5 mM PMSF and 1 mM DTT.

 $\textbf{Storage:} \ \, \textbf{Store at -80°C;} \ \, \textbf{guaranteed stable for 2 years from}$

date of receipt when stored properly.

Precautions: This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Description: Full length recombinant human N-terminal His tagged HP1α (Heterochromatin Protein 1 Homolog Alpha) protein, produced in E. coli.

Protein description

HP1 alpha (UniProt/Swiss-Prot entry P45973) is a component of heterochromatin. It recognizes and binds to histone H3 tails methylated at 'Lys-9', leading to epigenetic repression of transcription. HP1 alpha may also interact with lamin B receptor (LBR), thereby contributing to the association of the heterochromatin with the inner nuclear membrane. Further, HP1 alpha is involved in the formation of a functional kinetochore through interaction with MIS12 complex proteins.

Quality control

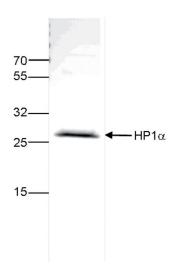


Figure 1.

SDS page of the HP1 α recombinant protein. The position of the protein of interest is indicated on the right; the marker (in kDa) is shown on the left.

Diagenode sa. BELGIUM | EUROPE

LIEGE SCIENCE PARK Rue Bois Saint-Jean, 3 4102 Seraing (Ougrée) - Belgium Tel: +32 4 364 20 50 Fax: +32 4 364 20 51 orders@diagenode.com

info@diagenode.com

Diagenode Inc. USA | NORTH AMERICA

400 Morris Avenue, Suite 101 Denville, NJ 07834 - USA Tel: +1 862 209-4680 Fax: +1 862 209-4681 orders.na@diagenode.com info.na@diagenode.com