

AR50870PU-S**Human ID1 / BHLHB24 (1-155, His-tag) - Purified****Alternate names:**

Class B basic helix-loop-helix protein 24, DNA-binding protein inhibitor ID-1, Inhibitor of DNA binding 1

Quantity:

50 µg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

ID1 is a helix-loop-helix (HLH) protein that can form heterodimers with members of the basic HLH family of transcription factors. The protein has no DNA binding activity and therefore can inhibit the DNA binding and transcriptional activation ability of basic HLH proteins with which it interacts. This protein may play a role in cell growth, senescence, and differentiation.

Uniprot ID:

[P41134](#)

NCBI:

[NP_002156](#)

GeneID:

[3397](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >85% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Description:

Recombinant human ID1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGS MKVASGS TATAAAGPSC ALKAGKTASG AGEVVRCLSE
QSV AISRCAG GAGARLPALL DEQQVNVLLY DMNGCYSRLK ELVPTLPQNR KVSKVEILQH
VIDYIRDQL ELNSESEVGT PGG RGLPVRA PLSTLNGEIS ALTAEAACVP ADDRILCR

Molecular weight: 18.5 kDa (178aa) confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Deed R.W., et al. (1994) Biochim. Biophys. Acta. 1219:160-162 Hara E., et al. (1994) J. Biol. Chem. 269:2139-2145

Pictures: