

ID1, 1-155aa, Human, His tag, E.coli

Cat.NO.: TP02551

3th Edition

Synonyms:DNA-binding protein inhibitor ID-1, bHLHb24, ID

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

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

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

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMKVASGSTATAAAGPSCALKAGKTASGAGEVVRCLSEQSVAISRCAGGAG
ARLPALLDEQQVNLLYDMNGCYSRLKELVPTLPQNRKVKVEILQHVIDYIRDLQLELNSESEVGTGGGRGLPVRA
PLSTLNGEISALTAEAACVPADDRILCR

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.