

## 32-4004: ID1 Recombinant Protein

**Alternative Name :** bHLHb24, ID, DNA-binding protein inhibitor ID-1, Class B basic helix-loop-helix protein 24, Inhibitor of DNA binding 1, ID1.

### Description

Source : E.coli. ID1 Human Recombinant produced in E. coli is a single polypeptide chain containing 178 amino acids (1-155) and having a molecular mass of 18.5kDa. ID1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Inhibitor of DNA Binding 1 (ID1) is a helix-loop-helix protein which can form heterodimers with members of the basic HLH family of transcription factors. ID1 is lacking DNA binding activity and thus can inhibit the DNA binding and transcriptional activation ability of basic HLH proteins with which it interacts. ID1 participates in cell growth, senescence, and differentiation.

### Product Info

**Amount :** 10 µg

**Purification :** Greater than 85% as determined by SDS-PAGE.

**Content :** The ID1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.

**Storage condition :** 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.

**Amino Acid :** MGSSHHHHHH SSSLVPRGSH MGS MKVASGS TATAAAGPSC ALKAGKTASG AGEVVRCLSE  
QSVASRCAG GAGARLPALL DEQQVNVLly DMNGCYSRLK ELVPTLPQNR KVSKEILQH VIDYIRDQL  
ELNSESEVGT PGGRLPVRA PLSTLNGEIS ALTAEAACVP ADDRILCR.

