

**ID2, 1-134aa, Human, His tag, E.coli**

**Cat.NO.: TP02552**

3th Edition

**Synonyms:**Inhibitor of DNA binding 2, bHLHb26, GIG8, ID2A, ID2H, MGC26389

**Description:**ID2 belongs to the inhibitor of DNA binding (ID) family, members of which are transcriptional regulators that contain a helix-loop-helix (HLH) domain but not a basic domain. Members of the ID family inhibit the functions of basic helix-loop-helix transcription factors in a dominant-negative manner by suppressing their heterodimerization partners through the HLH domains. This protein may play a role in negatively regulating cell differentiation. Recombinant human ID2 protein, fused to His-tag at N-terminus, was expressed in E.coli.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea

**Molecular Weight:**17.0 kDa(154aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMKAFSPVRSVRKNSLSDHSLGISRSKTPVDDPMSLLYNMND CYSK LKELVPSIPQ  
NKKVSKMEILQHVIDYILDQLALDSHPTIVSLHHQRPGQNQASRTPLTTLNTDISLSLQASEFPSELMSNDSKALCG

**Purity:**> 95% by HPLC

**Concentration:**1 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.