

Recombinant human ID2 protein

Catalog Number: ATGP1991

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-134aa

UniProt No.

Q02363

NCBI Accession No.

NP_002157

Alternative Names

Inhibitor of DNA binding 2, bHLHb26, GIG8, ID2A, ID2H, MGC26389

PRODUCT SPECIFICATION

Molecular Weight

17 kDa (154aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M urea

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

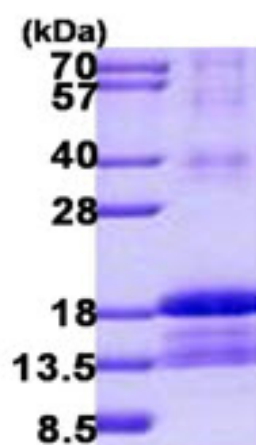
MGSSHHHHHH SSGLVPRGSH MKAFSPVRSV RKNSLSDHSL GISRSKTPVD DPMSLLYNMN DCYSKLKELV PSIPQNKKVS
KMEILQHVID YILDLQIALD SHPTIVSLHH QRPQGNQASR TPLTTLNTDI SILSLQASEF PSEMSNDSK ALCG

General References

Hara E. et al. (1994) J Biol Chem. 269:2139-2145.
Langlands Ket al. (1997) J Biol Chem. 272:19785-19793.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)