

Recombinant Human ID4, His-tagged

Cat. No. ID4-14045H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ID4 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-70a.a.
Description	This gene encodes a member of the inhibitor of DNA binding (ID) protein family. These proteins are basic helix-loop-helix transcription factors which can act as tumor suppressors but lack DNA binding activity. Consequently, the activity of the encoded protein depends on the protein binding partner.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

Gene Name ID4 inhibitor of DNA binding 4, dominant negative helix-loop-helix protein [Homo sapiens]

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Official Symbol	ID4
Synonyms	ID4; inhibitor of DNA binding 4, dominant negative helix-loop-helix protein; DNA-binding protein inhibitor ID-4; bHLHb27; class B basic helix-loop-helix protein 27; IDB4;
Gene ID	3400
mRNA Refseq	NM_001546
Protein Refseq	NP_001537
MIM	600581
UniProt ID	P47928
Chromosome Location	6p22.3
Pathway	Id Signaling Pathway, organism-specific biosystem; TGF-beta signaling pathway, organism-specific biosystem; TGF-beta signaling pathway, conserved biosystem;
Function	RNA polymerase II transcription factor binding; protein binding; transcription corepressor activity;

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