

## Product datasheet for **AR50815PU-S**

### **ID2 / BHLHB26 (1-134, His-tag) Human Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	ID2 / BHLHB26 (1-134, His-tag) human recombinant protein, 0.1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MKAFSPVRSV RKNSLSDHSL GISRSKTPVD DPMSLLYNMN DCYSKLELV PSIPQNKKVS KMEILQHVID YILDQLALD SHPTIVSLHH QRPQGNQASR TPLTTLNTDI SILSLQASEF PSELMSNDSK ALCG
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	17.0 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>85% by SDS - PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M Urea
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human ID2 protein, fused to His-tag at N-terminus, was expressed in E.coli.
<b>Storage:</b>	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_002157</a>
<b>Locus ID:</b>	3398
<b>UniProt ID:</b>	<a href="#">Q02363</a> , <a href="#">Q53T66</a>
<b>Cytogenetics:</b>	2p25.1
<b>Synonyms:</b>	bHLHb26; GIG8; ID2A; ID2H



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**Summary:** The protein encoded by this gene belongs to the inhibitor of DNA binding family, members of which are transcriptional regulators that contain a helix-loop-helix (HLH) domain but not a basic domain. Members of the inhibitor of DNA binding 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. A pseudogene of this gene is located on chromosome 3. [provided by RefSeq, Aug 2011]

**Protein Families:** ES Cell Differentiation/IPS, Stem cell relevant signaling - TGFb/BMP signaling pathway, Transcription Factors

**Protein Pathways:** TGF-beta signaling pathway

**Product images:**

