

## Product datasheet for **AR50815PU-N**

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

#### Product data:

Product Type:	Recombinant Proteins
Description:	ID2 / BHLHB26 (1-134, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MKAFSPVRSV RKNSLSDHSL GISRSKTPVD DPMSLLYNMN DCYSKCLKELV PSIPQNKKVS KMEILQHVID YILDQLIALD SHPTIVSLHH QRPGQNQASR TPLTTLNTDI SILSLQASEF PSELMSNDSK ALCG
Tag:	His-tag
Predicted MW:	17.0 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M Urea
Preparation:	Liquid purified protein
Protein Description:	Recombinant human ID2 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	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.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_002157</a>
Locus ID:	3398
UniProt ID:	<a href="#">Q02363</a> , <a href="#">Q53T66</a>
Cytogenetics:	2p25.1
Synonyms:	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:**

