

Product datasheet for AR50815PU-S

OriGene Technologies, Inc.

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

Product data:

Product Type: Recombinant Proteins

Description: ID2 / BHLHB26 (1-134, His-tag) human recombinant protein, 0.1 mg

Species: Human
Expression Host: E. coli

Expression cDNA Clone MGSSHHHHHH SSGLVPRGSH MKAFSPVRSV RKNSLSDHSL GISRSKTPVD DPMSLLYNMN

or AA Sequence: DCYSKLKELV PSIPQNKKVS KMEILQHVID YILDLQIALD 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: NP 002157

Locus ID: 3398

UniProt ID: <u>Q02363</u>, <u>Q53T66</u>

Cytogenetics: 2p25.1

Synonyms: bHLHb26; GIG8; ID2A; ID2H





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

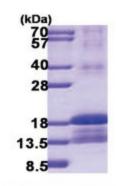
chromosome 3. [provided by RefSeq, Aug 2011]

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

Transcription Factors

Protein Pathways: TGF-beta signaling pathway

Product images:



15% SDS-PAGE (3ug)