

Recombinant Full Length Human ID1 Protein, C-Flag-tagged

Cat. No. ID1-532HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ID1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The protein encoded by this gene is a helix-loop-helix (HLH) protein that can form heterodimers with members of the basic HLH family of transcription factors. The encoded protein has no DNA binding activity and therefore can inhibit the DNA binding and transcriptional activation ability of basic HLH proteins with which it interacts. This protein may play a role in cell growth, senescence, and differentiation. Two transcript variants encoding different isoforms have been found for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	16 kDa
AA Sequence	MKVASGSTATAAAGPSCALKAGKTASGAGEVVRCLSEQSVAISRCAGGAGARLPAL LDEQQVNVLLYDMN GCYSRLKELVPTLPQNRKVSKEILQHVIDYIRDLQLELNSES EVGTPGGRGLPVRAPLSTLNGEISALT AEAACVPADDRILCRTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transcription Factors
Protein Pathways	TGF-beta signaling pathway
Full Length	Full L.

GENE INFORMATION

Gene Name	ID1 inhibitor of DNA binding 1 [Homo sapiens (human)]
Official Symbol	ID1
Synonyms	ID; bHLHb24
Gene ID	3397
mRNA Refseq	NM_002165.4
Protein Refseq	NP_002156.2
MIM	600349

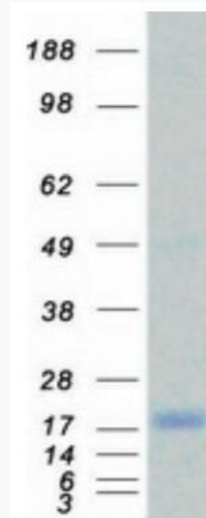
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UniProt ID

P41134



Coomassie blue staining of purified ID1 protein.

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