

Recombinant Mouse Id4 Protein, MYC/DDK-tagged

Cat. No. Id4-1210M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse inhibitor of DNA binding 4 (Id4), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Transcriptional regulator (lacking a basic DNA binding domain) which negatively regulates the basic helix-loop-helix (bHLH) transcription factors by forming heterodimers and inhibiting their DNA binding and transcriptional activity. Implicated in regulating a variety of cellular processes, including cellular growth, senescence, differentiation, apoptosis, angiogenesis, and neoplastic transformation.
Molecular Mass	17 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
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 after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

 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

GENE INFORMATION

Gene Name	Id4 inhibitor of DNA binding 4 [Mus musculus (house mouse)]
Official Symbol	Id4
Synonyms	Id4; inhibitor of DNA binding 4; Id4; bHLHb27; DNA-binding protein inhibitor ID-4; inhibitor of differentiation 4
Gene ID	15904
mRNA Refseq	NM_031166
Protein Refseq	NP_112443
UniProt ID	P41139

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