

Recombinant Full Length Human ID4 Protein

Cat. No. ID4-248HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human ID4 with N terminal proprietary tag; Predicted MWt 43.78 kDa inclusive of tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	161 amino acids
Description	Transcription factors containing a basic helix-loop-helix (bHLH) motif regulate expression of tissue-specific genes in a number of mammalian and insect systems. DNA-binding activity of the bHLH proteins is dependent on formation of homo- and/or heterodimers. Dominant-negative HLH proteins encoded by Id-related genes, such as ID4, also contain the HLH-dimerization domain but lack the DNA-binding basic domain. Consequently, Id proteins inhibit binding to DNA and transcriptional transactivation by heterodimerization with bHLH proteins (Pagliuca et al.
Form	Liquid
Molecular Mass	43.780kDa inclusive of tags
AA Sequence	MKAVSPVRPSGRKAPSGCGGELALRCLAEGHSLGGSAA AAAAAAARCKAAE AAADEPALCLQCDMNDYCYSRLRRLVP TIPPNNKKVSKVEILQHVIDYILDQLALETHP ALLRQPPP PAPPHPAGTCAAPPRTPLTALNTDPAGAVNKQGDSILC R

 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

Purity	Proprietary Purification
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
Storage Buffer	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name	ID4 inhibitor of DNA binding 4, dominant negative helix-loop-helix protein [Homo sapiens]
Official Symbol	ID4
Synonyms	ID4; inhibitor of DNA binding 4, dominant negative helix-loop-helix protein; DNA-binding protein inhibitor ID-4; bHLHb27
Gene ID	3400
mRNA Refseq	NM_001546
Protein Refseq	NP_001537
MIM	600581
UniProt ID	P47928

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