

Recombinant Human ID3

Cat. No. ID3-28926TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human ID3 with a proprietary tag; Predicted MWt 39.09.
Species	Human
Source	Wheat Germ
ProteinLength	119 amino acids
Description	The protein encoded by this gene is a helix-loop-helix (HLH) protein that can form heterodimers with other HLH proteins. However, the encoded protein lacks a basic DNA-binding domain and therefore inhibits the DNA binding of any HLH protein with which it interacts.
Molecular Weight	39.090kDa inclusive of tags
Tissue specificity	Expressed abundantly in lung, kidney and adrenal gland, but not in adult brain.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.31% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids	MKALSPVRGCYEAVCCLSERSLAIARGRGKGPAEEPLSLDDMNHCSRLRELVP GVPRGTQLSQVEILQRVIDYILDLQVVLAEPAPGPPDGPHLPIQTAELAPELVISNDKR SFCH
Sequence Similarities	Contains 1 basic helix-loop-helix (bHLH) domain.
GENE INFORMATION	
Gene Name	ID3 inhibitor of DNA binding 3, dominant negative helix-loop-helix protein [Homo sapiens]
Official Symbol	ID3
Synonyms	ID3; inhibitor of DNA binding 3, dominant negative helix-loop-helix protein; DNA-binding protein inhibitor ID-3; bHLHb25; HEIR 1;
Gene ID	3399
mRNA Refseq	NM_002167
Protein Refseq	NP_002158
MIM	600277
Uniprot ID	Q02535
Chromosome Location	1p36.13-p36.12
Pathway	Adipogenesis, organism-specific biosystem; Id Signaling Pathway, organism-specific biosystem; TGF-beta signaling pathway, organism-specific biosystem; TGF-beta

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signaling pathway, conserved biosystem;

Function

protein domain specific binding; transcription corepressor activity; transcription factor binding;

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