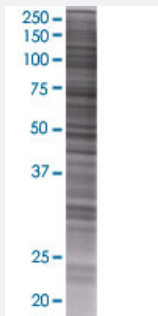


ID4 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00003400-T01

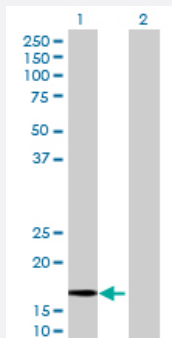
Size 100 uL

Applications



SDS-PAGE Gel

ID4 transfected lysate.



Western Blot

Lane 1: ID4 transfected lysate (17.82 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-ID4 full-length
Host	Human
Theoretical MW (kDa)	17.82
Interspecies Antigen Sequence	Mouse (98)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-ID4 antibody ([H00003400-B01](#)) by Western Blots.
 SDS-PAGE Gel
 ID4 transfected lysate.
 Western Blot
 Lane 1: ID4 transfected lysate (17.82 KDa)
 Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — ID4

Entrez GeneID

[3400](#)

GeneBank Accession#

[NM_001546](#)

Protein Accession#

[NP_001537](#)

Gene Name

ID4

Gene Alias

IDB4, bHLHb27

Gene Description

inhibitor of DNA binding 4, dominant negative helix-loop-helix protein

Omim ID

[600581](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

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., 1995 [PubMed 7665172]).[supplied by OMIM]

Other Designations

OTTHUMP00000016081

Pathway

- [TGF-beta signaling pathway](#)