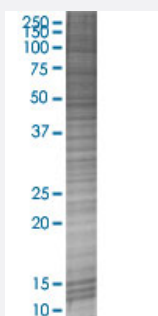


MITF 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00004286-T02

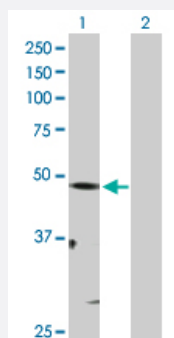
Size 100 uL

Applications



SDS-PAGE Gel

MITF transfected lysate.



Western Blot

Lane 1: MITF transfected lysate (58.2 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-MITF full-length
Host	Human
Theoretical MW (kDa)	58.2
Interspecies Antigen Sequence	Mouse (93); Rat (93)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-MITF antibody ([H00004286-D01P](#)) by Western Blots.
SDS-PAGE Gel
MITF transfected lysate.
Western Blot
Lane 1: MITF transfected lysate (58.2 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 — MITF

Entrez GeneID[4286](#)**GeneBank Accession#**[NM_198159.1](#)**Protein Accession#**[NP_937802.1](#)**Gene Name**

MITF

Gene Alias

MI, WS2A, bHLHe32

Gene Description

microphthalmia-associated transcription factor

Omim ID[103470](#) [103500](#) [156845](#) [193510](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes a transcription factor that contains both basic helix-loop-helix and leucine zipper structural features. It regulates the differentiation and development of melanocytes retinal pigment epithelium and is also responsible for pigment cell-specific transcription of the melanogenesis enzyme genes. Heterozygous mutations in the this gene cause auditory-pigmentary syndromes, such as Waardenburg syndrome type 2 and Tietz syndrome. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq]

Other Designations

OTTHUMP00000195123|OTTHUMP00000195140|homolog of mouse microphthalmia

Pathway

- [Melanogenesis](#)
- [Melanoma](#)
- [Pathways in cancer](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Lymphoma](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Neoplasm Metastasis](#)
- [Osteoporosis](#)
- [Retinal Diseases](#)
- [Skin Neoplasms](#)
- [Tobacco Use Disorder](#)