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Datasheet for ABIN7535744  
**MITF Protein (rFc Tag)**

### Overview

Quantity:	100 µg
Target:	MITF
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MITF protein is labelled with rFc Tag.

### Product Details

Purpose:	Recombinant Human MITF Protein
Sequence:	HGLSLIPSTG LCSPDLVNRI IKQEPVLENC SQDLLQHHAD LTCITTLDLT DGTITFNNNL GTGTEANQAY SVPTKMGSKL EDILMDDTLS PVGVTDPLLS SVSPGASKTS SRRSSMSMEE TEHTC
Specificity:	His402-Cys526
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<0.1EU/µg

### Target Details

Target:	MITF
Alternative Name:	MITF ( <a href="#">MITF Products</a> )

## Target Details

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**Background:** Description: Microphthalmia-associated transcription factor (MITF) is a member of the basic helix-loop-helix leucine zipper (bHLH-Zip) family and functions as the master regulator of the melanocytic lineage. MITF (Microphthalmia-associated transcription factor) is a lineage-specific transcription factor that plays a critical role in melanocyte homeostasis and whose deregulation has been shown to contribute to melanoma disease. Microphthalmia-associated transcription factor (MITF) is expressed in melanomas and has a critical role in melanocyte development and transformation. Because inhibition of MITF inhibits cell growth in melanoma, MITF is a potential therapeutic target molecule. Microphthalmia-associated transcription factor (MITF) regulates the transcription of its target genes by binding to their promoters. Microphthalmia-associated transcription factor (MITF) is a key regulator of differentiation of melanocytes and retinal pigment epithelial cells, but it also has functions in non-pigment cells. Name: CMM8, COMMAD, MI, WS2, WS2A, bHLHe32, MITF, COMMAD, MI, WS2, WS2A, bHLHe32

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**Gene ID:** 4286

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**UniProt:** [O75030](#)

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**Pathways:** [Chromatin Binding](#)

## Application Details

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**Restrictions:** For Research Use only

## Handling

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**Format:** Lyophilized

**Reconstitution:** Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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**Buffer:** Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

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**Storage:** -20 °C, -80 °C

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**Storage Comment:** Store the lyophilized protein at -20°C to -80°C for 12 months. | After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.