Datasheet for ABIN7520332

MITF Protein (rFc Tag)

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Overview

Quantity:	500 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 LTCTTTLDLT 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 (MITF Products)

Target Details

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
Gene ID:	4286
UniProt:	O75030
Pathways:	Chromatin Binding

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
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.