

Recombinant Mouse Mitf Protein, His&GST-tagged

Cat. No. Mitf-1779M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Mitf Protein (Asn180-Gly290) with N-His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Asn180-Gly290
Description	This transcription factor serves at a critical point between extracellular signaling and downstream targets in cell specification in early eye and neural crest development. Mutant alleles have been identified that generate distinct phenotypes. Some of these alleles are being used to model the human diseases Waardenburg syndrome IIa and Tietz syndrome.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 43.4 kDa Accurate Molecular Mass: 44 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

Mitf microphthalmia-associated transcription factor [*Mus musculus* (house mouse)]

Official Symbol

Mitf

Synonyms

MITF; microphthalmia-associated transcription factor; black eyed white; Wh; bw; mi; vit; Bhlhe32; Vitiligo; MGC124309; MGC124310;

Gene ID

17342

mRNA Refseq

NM_001113198

Protein Refseq

NP_001106669

UniProt ID

Q08874

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