Recombinant Human MITF Protein, GST-His-tagged

Cat. No. MITF-738H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MITF, transcript variant 5, fused with N-terminal GST and C-terminal His was expressed in E. coli.
Species	Human
Source	E.coli
Description	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.
Form	25mM Tris, pH8.0, 150mM NaCl, 10% glycerol, 1% Sarkosyl.
Molecular Mass	74.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	MITF microphthalmia-associated transcription factor [Homo sapiens]
Official Symbol	MITF
Synonyms	MITF; microphthalmia-associated transcription factor; Waardenburg syndrome, type 2A , WS2, WS2A; bHLHe32; homolog of mouse microphthalmia; MI; class E basic helix-loop-helix protein 32; WS2; WS2A;
Gene ID	4286
mRNA Refseq	NM_000248
Protein Refseq	NP_000239
MIM	156845
UniProt ID	O75030

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