

Recombinant Chicken MTNR1B Protein, His&GST-tagged

Cat. No. MTNR1B-1143C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Chicken MTNR1B Protein (Gly235-Leu289) with His&GST tag was expressed in E. coli.
Species	Chicken
Source	E.coli
ProteinLength	Gly235-Leu289
Description	This gene encodes one of two high affinity forms of a receptor for melatonin, the primary hormone secreted by the pineal gland. This gene product is an integral membrane protein that is a G-protein coupled, 7-transmembrane receptor. It is found primarily in the retina and brain although this detection requires RT-PCR. It is thought to participate in light-dependent functions in the retina and may be involved in the neurobiological effects of melatonin.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 36.4 kDa; Accurate Molecular Mass: 39 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

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in PBS or others.

GENE INFORMATION

Gene Name

MTNR1B melatonin receptor 1B [Gallus gallus (chicken)]

Official Symbol

MTNR1B

Synonyms

MTNR1B; melatonin receptor 1B; Mel1b; Mel-1B-R; melatonin receptor type 1B; Mel-1b melatonin receptor; mel1b receptor

Gene ID

396338

mRNA Refseq

NM_001293103

Protein Refseq

NP_001280032

UniProt ID

P51050

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