

Recombinant Human MTNR1A protein, GST-tagged

Cat. No. MTNR1A-301234H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MTNR1A (1-42 aa) protein, fused to GST tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Ile42
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.
AA Sequence	MQGNGSALPNASQPVLRGDGARPSWLASALACVLIFTIVVDI
Purity	95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Stability	Store for up to 12 months at -20°C to -80°C as lyophilized powder.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

Gene Name	MTNR1A melatonin receptor 1A [Homo sapiens]
Official Symbol	MTNR1A
Synonyms	MTNR1A; melatonin receptor 1A; melatonin receptor type 1A; MEL 1A R; mel1a receptor; MT1; MEL-1A-R;
Gene ID	4543
mRNA Refseq	NM_005958
Protein Refseq	NP_005949
MIM	600665
UniProt ID	P48039

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