

Recombinant Human PER1 protein, His-tagged

Cat. No. PER1-3730H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PER1 protein(1-341 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-341 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	MSGPLEGADGGGDPRPGESFCPGGVPSGPPQHRPCPGPSLADDDANSNGSSG NESNGHESRGASQRSSHSSSSGNGKDSALLETTESSKSTNSQSPSPSSSIAYSLL SASSEQDNPSTSGCSSEQSARARTQKELMTALRELKLRLPPERRGKGRSGTLATLQ YALACVKQVQANQEYYQQWSLEEGEPCSMMDMSTYLEELEHITSEYTLQNQDTFSV AVSFLTGRIVYISEQAAVLLRCKRDVFRGTRFSELLAPQDVGVFYGSTAPSRPTWG TGASAGSGLRDFTQEKSVMFCRIRGGPDRDPGRYPYQPFRLTPYVTKIRVSDGAPAP CCLLIAE
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
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

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

GENE INFORMATION

Gene Name [PER1 period homolog 1 \(Drosophila\) \[Homo sapiens \]](#)

Official Symbol [PER1](#)

Synonyms PER1; period homolog 1 (Drosophila); PER, period (Drosophila) homolog 1; period circadian protein homolog 1; RIGUI; hPER1; Period, drosophila, homolog of; circadian clock protein PERIOD 1; circadian pacemaker protein RIGUI; PER; hPER; MGC88021;

Gene ID [5187](#)

mRNA Refseq [NM_002616](#)

Protein Refseq [NP_002607](#)

MIM [602260](#)

UniProt ID [O15534](#)

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