

## Recombinant Human CRY2, His-tagged

Cat. No. CRY2-11597H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                       |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant Human CRY2 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.                                                               |
| Species          | Human                                                                                                                                                                 |
| Source           | E.coli                                                                                                                                                                |
| ProteinLength    | 243-593a.a.                                                                                                                                                           |
| Storage          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                             |
| Storage Buffer   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol. |

### GENE INFORMATION

|                 |                                                                                                                         |
|-----------------|-------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | CRY2 cryptochrome 2 (photolyase-like) [ Homo sapiens ]                                                                  |
| Official Symbol | CRY2                                                                                                                    |
| Synonyms        | CRY2; cryptochrome 2 (photolyase-like); cryptochrome-2; growth-inhibiting protein 37; HCRY2; PHLL2; FLJ10332; KIAA0658; |
| Gene ID         | 1408                                                                                                                    |

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|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>mRNA Refseq</b>         | <a href="#">NM_001127457</a>                                                                                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>      | <a href="#">NP_001120929</a>                                                                                                                                                                                                                                                                                          |
| <b>MIM</b>                 | <a href="#">603732</a>                                                                                                                                                                                                                                                                                                |
| <b>UniProt ID</b>          | <a href="#">Q49AN0</a>                                                                                                                                                                                                                                                                                                |
| <b>Chromosome Location</b> | 11p11.2                                                                                                                                                                                                                                                                                                               |
| <b>Pathway</b>             | BMAL1:CLOCK/NPAS2 Activates Circadian Expression, organism-specific biosystem; Circadian Clock, organism-specific biosystem; Circadian rhythm - mammal, organism-specific biosystem; Circadian rhythm - mammal, conserved biosystem; Diurnally regulated genes with circadian orthologs, organism-specific biosystem; |
| <b>Function</b>            | NOT DNA (6-4) photolyase activity; DNA binding; blue light photoreceptor activity; damaged DNA binding; NOT deoxyribodipyrimidine photo-lyase activity; nucleotide binding; protein binding; protein binding transcription factor activity; receptor activity;                                                        |

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