

Recombinant Human CRY2

Cat. No. CRY2-26941TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human CRY2 with an N terminal proprietary tag; Predicted MW 35.64kDa.
Species	Human
Source	Wheat Germ
ProteinLength	91 amino acids
Molecular Weight	35.640kDa inclusive of tags
Tissue specificity	Expressed in all tissues examined including fetal brain, fibroblasts, heart, brain, placenta, lung, liver, skeletal muscle, kidney, pancreas, spleen, thymus, prostate, testis, ovary, small intestine, colon and leukocytes. Highest levels in heart and skele
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino	VEVVTENSHTLYDLDRRIELNGQKPPLTYKRFQAIISRMELPKKPVGLVTSQQMESCR

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acids	AEIQENHDETYGVPSLEELGFPTEGLGPAVWQG
Sequence Similarities	Belongs to the DNA photolyase class-1 family.Contains 1 DNA photolyase domain.
GENE INFORMATION	
Gene Name	CRY2 cryptochrome 2 (photolyase-like) [Homo sapiens]
Official Symbol	CRY2
Synonyms	CRY2; cryptochrome 2 (photolyase-like); cryptochrome-2;
Gene ID	1408
mRNA Refseq	NM_021117
Protein Refseq	NP_066940
MIM	603732
Uniprot ID	Q49AN0
Chromosome Location	11p11.2
Pathway	BMAL1:CLOCK/NPAS2 Activates Gene 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;
Function	NOT DNA (6-4) photolyase activity; DNA binding; blue light photoreceptor activity;

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damaged DNA binding; NOT deoxyribodipyrimidine photo-lyase activity;

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