

Recombinant Human CRX

Cat. No. CRX-26342TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human CORD2 with a N terminal proprietary tag; Predicted MWt 59.00 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	299 amino acids
Description	The protein encoded by this gene is a photoreceptor-specific transcription factor which plays a role in the differentiation of photoreceptor cells. This homeodomain protein is necessary for the maintenance of normal cone and rod function. Mutations in this gene are associated with photoreceptor degeneration, Leber congenital amaurosis type III and the autosomal dominant cone-rod dystrophy 2. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some variants has not been determined.
Molecular Weight	59.000kDa inclusive of tags
Tissue specificity	Retina.
Form	Liquid
Purity	Proprietary Purification

 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

Storage buffer	pH: 8.00 Constituents: 0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MMAYMNP GPHYSVNALALSGPSVDLMHQAVPYPSAPRKQR RERTTFTRSQLEELE ALFAKTQYPDVYAREEVALKINLPE SRVQVWFKNRRRAKCRQQRQQKQQQPPG GQAKARPAKRK AGTSPRPSTDVCPDPLGISDSYSPPLPGSPGSPPTTAVATV SIWSP ASESPLPEAQRAGLVASGSLTSAPYAMTYAPASA FCSSPSAYGSPSSYFSGLDPY LSPMVPQLGGPALSPLSGP SVGPSLAQSPTSLSGQSYGAYSPVDSLEFKDPTGTW KFTY NPMDPLDYKDQSAWKQIL
Sequence Similarities	Belongs to the paired homeobox family. Contains 1 homeobox DNA-binding domain.

GENE INFORMATION

Gene Name	CRX cone-rod homeobox [Homo sapiens]
Official Symbol	CRX
Synonyms	CRX; cone-rod homeobox; CORD2; cone-rod homeobox protein; CRD; LCA7; orthodenticle homeobox 3; OTX3;
Gene ID	1406
mRNA Refseq	NM_000554
Protein Refseq	NP_000545
MIM	602225

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Uniprot ID	O43186
Chromosome Location	19q13.3
Function	chromatin binding; leucine zipper domain binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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