

Recombinant Human CRX

Cat. No. CRX-26343TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human CORD2 with a N terminal proprietary tag; Predicted MWt 36.08 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	95 amino acids
Description	<p>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.</p>
Molecular Weight	36.080kDa inclusive of tags
Tissue specificity	Retina.
Form	Liquid
Purity	Proprietary Purification

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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 GPHYSVNALALSGPSVDLMHQAVPYPSAPRKQRRERTTFTRSQLEELE ALFAKTQYPDVYAREEVALKINLPESRVQVWFKNRRRAKCR
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
Uniprot ID	O43186
Chromosome Location	19q13.3

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Function

chromatin binding; leucine zipper domain binding; sequence-specific DNA binding;
sequence-specific DNA binding transcription factor activity;

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