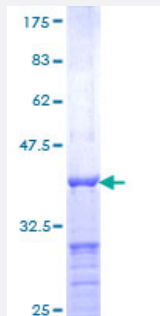


CRX (Human) Recombinant Protein (Q01)

Catalog # H00001406-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CRX partial ORF (NP_000545, 1 a.a. - 95 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MMAYMNP GPHYSVNALALSGPSVDLMHQAVPYPSAPRKQRRERTTFTRSQLEEELEALFAKTQYP DVIAREEEVALKINLPESRVQVWFKNRRRAKCR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.19
Interspecies Antigen Sequence	Mouse (98); Rat (99)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CRX

Entrez GeneID [1406](#)

GeneBank Accession# [NM_000554](#)

Protein Accession# [NP_000545](#)

Gene Name CRX

Gene Alias CORD2, CRD, LCA7, OTX3

Gene Description cone-rod homeobox

Omim ID [120970](#) [268000](#) [602225](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations cone-rod homeobox protein|orthodenticle homeobox 3

Disease

- [Blindness](#)
- [Optic Atrophy](#)
- [Retinal Diseases](#)

- [Retinitis Pigmentosa](#)