

Recombinant Mouse Rlbp1 Protein, Myc/DDK-tagged

Cat. No. Rlbp1-5528M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length retinaldehyde binding protein 1 (Rlbp1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Soluble retinoid carrier essential the proper function of both rod and cone photoreceptors. Participates in the regeneration of active 11-cis-retinol and 11-cis-retinaldehyde, from the inactive 11-trans products of the rhodopsin photocycle and in the de novo synthesis of these retinoids from 11-trans metabolic precursors. The cycling of retinoids between photoreceptor and adjacent pigment epithelium cells is known as the 'visual cycle'.
Molecular Mass	36.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

 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 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Rlbp1 retinaldehyde binding protein 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Rlbp1](#)

Synonyms RLBP1; retinaldehyde binding protein 1; retinaldehyde-binding protein 1; cellular retinaldehyde-binding protein; CRALBP; 3110056M11Rik

Gene ID [19771](#)

mRNA Refseq [NM_001173483](#)

Protein Refseq [NP_001166954](#)

UniProt ID [Q9Z275](#)

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