

## 32-8834: Recombinant Human Retinol-Binding Protein 3/IRBP/RBP3 (C-6His)(Discontinued)

**Gene :** RBP3  
**Gene ID :** 5949  
**Uniprot ID :** P10745

### Description

Source: Human Cells.  
MW :134.2kD.

Recombinant Human Retinol-binding Protein 3 is produced by our Mammalian expression system and the target gene encoding Gly18-Leu1247 is expressed with a 6His tag at the C-terminus. Retinol-binding proteins (RBP) are a family of proteins with diverse functions. They are carrier proteins that bind retinol. Retinol and retinoic acid play crucial roles in the modulation of gene expression and overall development of an embryo. However, deficit or excess of either one of these substances can cause early embryo mortality or developmental malformations. Regulation of transport and metabolism of retinol necessary for a successful pregnancy is accomplished via RBP. Retinol binding proteins have been identified within the uterus, embryo, and extraembryonic tissue of the bovine, ovine, and porcine, clearly indicating that RBP plays a role in proper retinol exposure to the embryo and successful transport at the maternal-fetal interface.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** GPTHLFQPSLVLDMAKVLLDNYCFPENLLGMQEAIQQAISHEILSISDPQTLASVLTAGVQSSLNDPRLVISYEPSTPEPPPQVPALTSLEEELAWLQRGLRHEVLEGNVGYLRVDSVPGQEVLSMMGEFLVAHVWGNLMGTSALVLDLRHCTGGQVSGIPYIISYLHPGNTILHVDTIYNRPSNTTTEIWTLPQVLGERYGADKDVVLTSSQTRGVAE  
DIAHILKQMRRAIVVGERTGGGALDLRKLRIGESDFFFTVPVSRSLGPLGGGSQTWEGSGVLPVGTGPAEQALE  
KALAILTLRSALPGVVHCLQEVLKDYTYLVDRVPTLLQHLASMDFSTVVSEEDLVTKLNAGLQAASEDPRLVRA  
IGPTETPSWPAPDAAAEDSPGVAPELPEDEAIRQALVDSVFQVSVLPGNVGYLRFDSDADASVGLVLPYVLRQ  
VWEPLQDTEHLIMDLRHNPGGPSSAVPLLSYFQGPVHLFTTYDRRTNITQEHFHEMELPGPRYSTQRGV  
YLLTSHRTATAAEEFAFLMQSLGWATLVGEITAGNLLHTRTVPLDTPEGSLALTVPLTFIDNHGEAWLGGGV  
VPDAIVLAEALDKAQEVLEFHQSLGALVEGTGHLLHAEHYARPEVVGQTSALLRAKLAQGAYRTAVDLESLSAQ  
LTADLQEVSGDHRLLVFHSPGELVVEEAPPPPAVPSPEELTYLIEALFKTEVLPQGLGYLRFDAMAELETGKAV  
GPQLVRLVWQQLVDTAALVIDLRYNPGSYSTAIPLCSYFFEAEPQHLYSVFDRTSKVTEVWTLQVAGQRY  
GSHKDLIYMSHTSGSAAEFAHTMQDLQRATVIGEPTAGGALSQVGIYQVGSPLYASMPQMAMSATTGKA  
WDLAGVEPDITVPMSEALSIAQDIVALRAKVPTVLQTAGKLVADNYASAELGAKMATKLSGLQSRYSRVTSEVA  
LAEILGADLQMLSGDPLKAAHIPENAKDRIPGIVPMQIPSEVFEELIKFSFHTNVLEDNIGYLRDFMFGDGELLT  
QVSRLLVEHIWKKIMHTDAMIIDMRFNIGGPTSSIPILCSYFFDEGPPVLLDKIYSRPDDSVSELWTHAQVVGERY  
GSKKSMVILTSSVTAGTAAEFTYIMKRLGRALVIGEVTSGGCQPPQTYHVDDTNLYLTIPTARVSGASDGSSWE  
GVGVTPHVVPAAEALARAKEMLQHNQLRVKRSPLQDHLHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.