

Recombinant Bovine RBP3 Protein (633-1231 aa), His-tagged

Cat. No. RBP3-1501B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Bovine RBP3 Protein (633-1231 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Partial.
Species	Bovine
Source	Yeast
ProteinLength	633-1231 aa
Description	IRBP shuttles 11-cis and all trans retinoids between the retinol isomerase in the pigment epithelium and the visual pigments in the photoreceptor cells of the retina.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	66.8 kDa
AA Sequence	SLGELVEGTGRLLLEAHYARPEVVGQMGALLRAKLAQGAYRTAVDLESLASQLTADL QEMSGDHRLLVFHSPGEMVAEEAPPPPPVPSPEELSYLIEALFKTEVLPGQLGYLR FDAMAELETVKAVGPQLVQLVWQKLVDTAALVVDLRYNPGSYSTAVPLLCSYFFEA EPRRHLYSVFDRATSRVTEVWTLPHVTGQRYGSHKDLVVLVSHTSGSAAEFAHTM QDLQRATIIGEPTAGGALSVGIYQVGSSALYASMPTQMAMSASTGEAWDLAGVEPDI TVPMSVALSTARDIVTLRAKVPTVLQTAGKLVADNYASPELGVKMAAELSGLQSRYA RVTSEAALAEELLQADLQVLSGDPLKTAHIPEDAKDRIPGIVPMQIPSPEVFEDLIKFS FHTNVLEGNVGYLRFDMFDCCELLTQVSELLVEHVWKKIVHTDALIVDMRFNIGGPT

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SSISALCSYFFDEGPPILLDKIYNRPNNSVSELWTLSQLEGERYGSKKSMVILTSTLTA
GAAEEFTYIMKRLGRALVIGEVTSGGCQPPQTYHVDDTDLYLTIPTARSVGAADGSS
WEGVGVVPDVAVPAEAAALTRAQEMLQHT

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name RBP3 retinol binding protein 3 [Bos taurus (cattle)]

Official Symbol RBP3

Synonyms RBP3; Interphotoreceptor retinoid-binding protein; Protein 7S;

Gene ID 281443

mRNA Refseq NM_174164

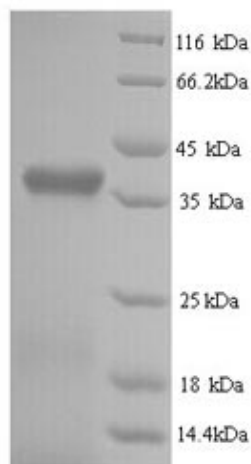
Protein Refseq NP_776589

UniProt ID P12661

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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