

Retinol-binding protein 3 Recombinant Protein | RBP3 recombinant protein

Recombinant Bovine Retinol-binding protein 3

CATALOG # AAA113875	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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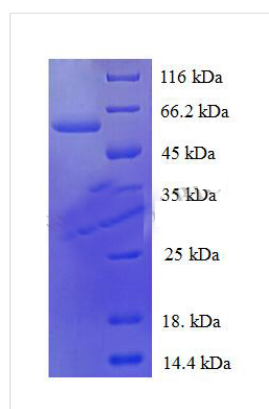
PRODUCT SYNONYMS

Retinol-binding protein 3; Recombinant Bovine Retinol-binding protein 3; Interphotoreceptor retinoid-binding protein; IRBP; Interstitial retinol-binding protein; RBP3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	933-1231aa; Partial
Sequence	AKVPTVLQTA GKLVDNYAS PELGVKMAAE LSG LQSR YAR VTSEAALAE LQADLQVLSG DPHLKT AHIP EDAKDRIPGI VPMQIP SPEV FEDLIKFSFH TNVLEGNVGY LRFDMFGDCE LLTQVSELLV EHVWKKIVHT DALIVDMRFN IGGPTSSISA LCSYFFDEGP PILLDKIYNR PNNSVSELWT LSQLEGERYG SKKSMVILTS TLTAGAAEEF TYIMKRLGRA LVIGEVTS GG CQPPQTYHVD DTDLYLTIPT ARSVGAADGS SWEGVGVVPD VAVPAEAALT RAQEMLQHT
Sequence Length	1247
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for RBP3 recombinant protein	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.
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References

Human interstitial retinoid-binding protein. Gene structure and primary structure.Liou G.I., Ma D.-P., Yang Y.-W., Geng L., Zhu C., Baehr W.J. Biol. Chem. 264:8200-8206(1989) Characterization and comparative structural features of the gene for human interstitial retinol-binding protein.Fong S.-L., Fong W.B., Morris T.A., Kedzie K.M., Bridges C.D.B.J. Biol. Chem. 265:3648-3653(1990) Cloning of cDNAs encoding human interphotoreceptor retinoid-binding protein (IRBP) and comparison with bovine IRBP sequences.Si J.S., Borst D.E., Redmond T.M., Nickerson J.M.Gene 80:99-108(1989) Internal quadruplication in the structure of human interstitial retinol-binding protein deduced from its cloned cDNA.Fong S.-L., Bridges C.D.B.J. Biol. Chem. 263:15330-15334(1988) Full-length transcriptome analysis of human retina-derived cell lines ARPE-19 and Y79 using the vector-capping method.Oshikawa M., Tsutsui C., Ikegami T., Fuchida Y., Matsubara M., Toyama S., Usami R., Ohtoko K., Kato S.Invest. Ophthalmol. Vis. Sci. 52:6662-6670(2011) The DNA sequence and comparative analysis of human chromosome 10.Deloukas P., Earthrowl M.E., Grafham D.V., Rubenfield M., French L., Steward C.A., Sims S.K., Jones M.C., Searle S., Scott C., Howe K., Hunt S.E., Andrews T.D., Gilbert J.G.R., Swarbreck D., Ashurst J.L., Taylor A., Battles J., Bird C.P., Ainscough R., Almeida J.P., Ashwell R.I.S., Ambrose K.D., Babbage A.K., Bagguley C.L., Bailey J., Banerjee R., Bates K., Beasley H., Bray-Allen S., Brown A.J., Brown J.Y., Burford D.C., Burrill W., Burton J., Cahill P., Camire D., Carter N.P., Chapman J.C., Clark S.Y., Clarke G., Clee C.M., Clegg S., Corby N., Coulson A., Dhami P., Dutta I., Dunn M., Faulkner L., Frankish A., Frankland J.A., Garner P., Garnett J., Gribble S., Griffiths C., Grocock R., Gustafson E., Hammond S., Harley J.L., Hart E., Heath P.D., Ho T.P., Hopkins B., Horne J., Howden P.J., Huckle E., Hynds C., Johnson C., Johnson D., Kana A., Kay M., Kimberley A.M., Kershaw J.K., Kokkinaki M., Laird G.K., Lawlor S., Lee H.M., Leongamornlert D.A., Laird G., Lloyd C., Lloyd D.M., Loveland J., Lovell J., McLaren S., McLay K.E., McMurray A., Mashreghi-Mohammadi M., Matthews L., Milne S., Nickerson T., Nguyen M., Overton-Larty E., Palmer S.A., Pearce A.V., Peck A.I., Pelan S., Phillimore B., Porter K., Rice C.M., Rogosin A., Ross M.T., Sarafidou T., Sehra H.K., Shownkeen R., Skuce C.D., Smith M., Standing L., Sycamore N., Tester J., Thorpe A., Torcasso W., Tracey A., Tromans A., Tsolas J., Wall M., Walsh J., Wang H., Weinstock K., West A.P., Willey D.L., Whitehead S.L., Wilming L., Wray P.W., Young L., Chen Y., Lovering R.C., Moschonas N.K., Siebert R., Fechtel K., Bentley D., Durbin R.M., Hubbard T., Doucette-Stamm L., Beck S., Smith D.R., Rogers J.Nature 429:375-381(2004)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506453
NCBI GeneID	5949
NCBI Accession #	NP_002891.1
NCBI GenBank Nucleotide #	NM_002900.2
UniProt Accession #	P10745; Q0QD34; Q5VSR0; Q8IXN0
Molecular Weight	59.5 kDa
NCBI Official Full Name	retinol-binding protein 3
NCBI Official Synonym Full Names	retinol binding protein 3
NCBI Official Symbol	RBP3
NCBI Official Synonym Symbols	IRBP; RBPI; RP66; D10S64; D10S65; D10S66
NCBI Protein Information	retinol-binding protein 3
UniProt Protein Name	Retinol-binding protein 3
UniProt Gene Name	RBP3
UniProt Synonym Gene Names	IRBP
UniProt Entry Name	RET3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.