

RBP1 recombinant protein

RBP1, 1-197aa, Human, His tag, E Coli

CATALOG # AAA48728	HOST E Coli	APPLICATIONS SDS-Page
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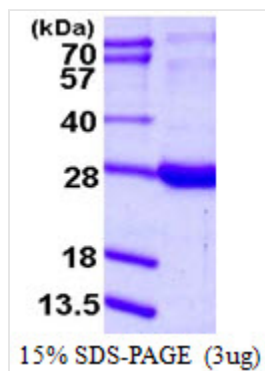
PRODUCT SYNONYMS

RBP1; 1-197aa; Human; His tag; E Coli; retinol binding protein 1; CRABP-I; CRBP; CRBP1; CRBPI; RBPC; RBP1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 2mM DTT, 20% glycerol, 200mM NaCl
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHHH SSGLVPRGSH MGSMDPPAGF VRAGNPAVAA PQSPLSPEGA HFRAAHHPRS TGSRCPGSLQ PSRPLVANWL QSLPEMPVDF TGYWKMLVNE NFEEYLRALD VNVALRKIAN LLKPDKEIVQ DGDHMIIRTL STFRNYIMDF QVGKEFEEDL TGIDDRKCMT TVSWDGDKLQ CVQKGEKEGR GWTQWIEGDE LHLEMRVEGV VCKQVFKKVQ
Sequence Length	197
Applicable Applications for RBP1 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Domain	1-197aa
Preparation and Storage	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for RBP1 recombinant protein	RBP1 (Retinol binding protein 1) belongs to the calycin superfamily and fatty-acid binding protein (FABP) family. RBP1 is the carrier protein involved in the transport of retinol (vitamin A alcohol) from the liver storage site to peripheral tissue. RBP1 can also act as a bridging molecule to recruit histone deacetylases (HDACs), proteins that function as potent regulators of gene expression. This protein is detected in nearly all the tissues with higher expression in adult ovary, pancreas, pituitary gland and adrenal gland, and fetal liver. Recombinant human RBP1 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for RBP1 recombinant protein	Signal Transduction
References	Lai, A., et al. (2001) Mol. Cell. Biol. 21: 2918-2932.; Folli C., et al. (2001) Proc. Natl. Acad. Sci. u.S.A. 98:3710-3715

NCBI AND UNIPROT INFORMATION

NCBI GI #	195976807
NCBI GeneID	5947
NCBI Accession #	NP_002890
NCBI GenBank Nucleotide #	NM_002899.3
UniProt Accession #	P09455; Q6FGX8; A8K2Q0; B7Z7A0; E7EWW0; F2Z2F2
Molecular Weight	24.7kDa (220aa), confirmed by MALDI-TOF
NCBI Official Full Name	retinol-binding protein 1 isoform a
NCBI Official Synonym Full Names	retinol binding protein 1
NCBI Official Symbol	RBP1
NCBI Official Synonym Symbols	CRBP; RBPC; CRBP1; CRBPI; CRABP-I
NCBI Protein Information	retinol-binding protein 1
UniProt Protein Name	Retinol-binding protein 1
UniProt Gene Name	RBP1
UniProt Synonym Gene Names	CRBP1; CRBP; CRBP-I

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.