

Retinol-binding protein 4 (RBP4) Active Protein | RBP4 active protein

Recombinant Human Retinol-binding protein 4 (RBP4)(Active)

CATALOG #
AAA279224

HOST
Mammalian cell

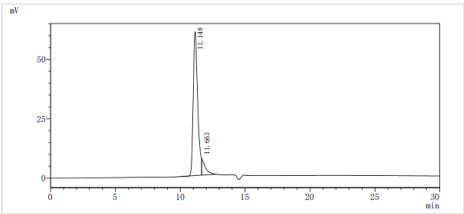
PRODUCT SYNONYMS

Retinol-binding protein 4 (RBP4); Recombinant Human Retinol-binding protein 4 (RBP4)(Active); Plasma retinol-binding protein; PRBP; RBP; RBP4 active protein

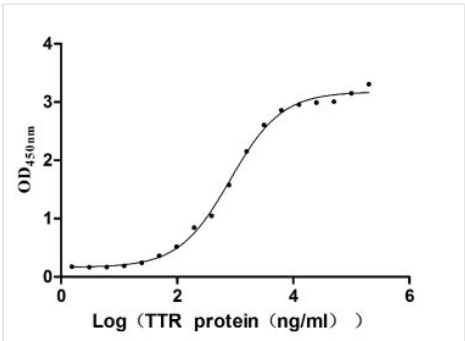
PRODUCT SPECIFICATIONS

Host	Mammalian cell
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	Lyophilized powder Lyophilized from a 0.2 um filtered PBS, 6% Trehalose, pH 7.4
Sequence Positions	19-201aa; Full Length of Mature Protein
Sequence	ERDCRVSSFR VKENFDKARF SGTWYAMAKK DPEGLFLQDN IVAEFSVDET GQMSATAKGR VRLNNWDVC ADMVGTFTDT EDPAKFKMKY WGVASFLQKG NDDHWIVDTD YDTYAVQYSC RLLNLDGTCA DSYSFVFSRD PNGLPPEAQK IVRQRQEELC LARQYRLIVH NGYCDGRSER NLL\$
Species	Homo sapiens (Human)
Tag	C-terminal hFc-tagged
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Research Area	Cancer
Biological Activity	1. Measured by its binding ability in a functional ELISA. Immobilized RBP4 at 5 ug/ml can bind TTR, the EC50 is 695.0-970.1 ng/ml.
Preparation and 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 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

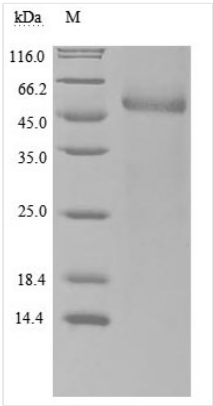
IMAGES



Application Data
The purity of RBP4 was greater than 90% as determined by SEC-HPLC.



Bioactivity
Measured by its binding ability in a functional ELISA. Immobilized RBP4 at 5 ?g/ml can bind TTR, the EC50 is 695.0-970.1 ng/ml.



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

ADDITIONAL INFORMATION

Related Product Information for RBP4 active protein	Retinol-binding protein that mediates retinol transport in blood plasma (PubMed:5541771). Delivers retinol from the liver stores to the peripheral tissues (Probable). Transfers the bound all-trans retinol to STRA6, that then facilitates retinol transport across the cell membrane (PubMed:22665496)
Product Categories/Family for RBP4 active protein	Active Protein & In Stock Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	55743122
NCBI GeneID	5950
NCBI Accession #	NP_006735.2
NCBI GenBank Nucleotide #	NM_006744.3
UniProt Accession #	P02753; O43478; O43479; Q5VY24; Q8WWA3; Q9P178; D3DR38
Molecular Weight	23,010 Da
NCBI Official Full Name	retinol-binding protein 4
NCBI Official Synonym Full Names	retinol binding protein 4, plasma
NCBI Official Symbol	RBP4
NCBI Official Synonym Symbols	RDCCAS

NCBI Protein Information	retinol-binding protein 4; RBP; PRBP; plasma retinol-binding protein; retinol-binding protein 4, interstitial
UniProt Protein Name	Retinol-binding protein 4
UniProt Gene Name	RBP4
UniProt Synonym Gene Names	PRBP; RBP
UniProt Entry Name	RET4_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.

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Online datasheet: <https://www.aaabiotech.com/mammalian-active-protein/retinol-binding-protein-4-rbp4/279224>