

RBP1, 1-197aa, Human, His tag, E.coli

Cat.NO.: TP03695

3th Edition

Synonyms:Retinol binding protein 1, CRABP-I, CRBP, CRBP1, CRBPI, RBPC.

Description: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.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 20% glycerol, 200mM NaCl

Molecular Weight:24.7kDa (220aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSM DPPAGFV RAGNPAVAAPQSPLSPEG AHFRAAHHPRSTGSRCPGSLQPSR
PLVANWLQSLPEMPVDFTGYWKMLVNENFEEYLRALDVNVALRKIANLLKPDKEIVQDGDHMIIRTLSTFRNYIMDF
QVGKEFEEDLTGIDDRKCM TTVSWDGD KLQCVQKGEKEGRGWTQWIEGDELHLEM RVEGVVCKQVFKK VQ

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.