

Product datasheet for PH317970

RBP2 (NM_004164) Human Mass Spec Standard

Product data:

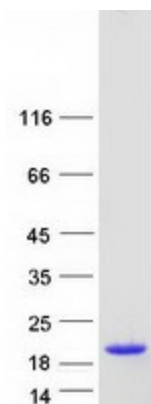
Product Type:	Mass Spec Standards
Description:	RBP2 MS Standard C13 and N15-labeled recombinant protein (NP_004155)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217970
Predicted MW:	15.5 kDa
Protein Sequence:	>RC217970 representing NM_004164 Red=Cloning site Green=Tags(s) MTRDQNGTWEMESNENFEGYMKALDIDFATRKIAVRLTQTKVIDQDGNFKTKTTSTFRNYDVDFTVGVE FDEYTKSLDNRHVKALVTWEGDVLVCVQKGEKENRGWKQWIEGDKLYLELTCGDQVCRQVFKKK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_004155
RefSeq Size:	700
RefSeq ORF:	402
Synonyms:	CRABP-II; CRBP2; CRBP2; RBPC2
Locus ID:	5948
UniProt ID:	P50120
Cytogenetics:	3q23



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Summary:

This gene encodes an abundant protein present in the small intestinal epithelium. It is thought to participate in the uptake and/or intracellular metabolism of vitamin A. Vitamin A is a fat-soluble vitamin necessary for growth, reproduction, differentiation of epithelial tissues, and vision. This protein may also modulate the supply of retinoic acid to the nuclei of endometrial cells during the menstrual cycle. [provided by RefSeq, Aug 2015]

Product images:

Coomassie blue staining of purified RBP2 protein (Cat# [TP317970]). The protein was produced from HEK293T cells transfected with RBP2 cDNA clone (Cat# [RC217970]) using MegaTran 2.0 (Cat# [TT210002]).