

Product datasheet for **TP761949**

BCMO1 (BCO1) (NM_017429) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human beta-carotene 15,15'-monooxygenase 1 (BCMO1), full length, with N-terminal GST and C-terminal His tag, expressed in E. coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding full-length of BCMO1
Tag:	N-GST and C-His
Predicted MW:	90.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_059125
Locus ID:	53630
UniProt ID:	Q9HAY6
RefSeq Size:	2446
Cytogenetics:	16q23.2
RefSeq ORF:	1641
Synonyms:	BCDO; BCDO1; BCMO; BCMO1; BCO



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Summary:

Vitamin A metabolism is important for vital processes such as vision, embryonic development, cell differentiation, and membrane and skin protection. The protein encoded by this gene is a key enzyme in beta-carotene metabolism to vitamin A. It catalyzes the oxidative cleavage of beta,beta-carotene into two retinal molecules. [provided by RefSeq, Jul 2008]

Protein Pathways:

Metabolic pathways, Retinol metabolism

Product images: