

# **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:	<u>NP 059125</u>
Locus ID:	53630
UniProt ID:	<u>Q9HAY6</u>
RefSeq Size:	2446
Cytogenetics:	16q23.2
RefSeq ORF:	1641
Synonyms:	BCDO; BCDO1; BCMO; BCMO1; BCO



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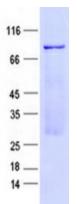
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### SCMO1 (BCO1) (NM\_017429) Human Recombinant Protein – TP761949

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

Protein Pathways: Metabolic pathways, Retinol metabolism

## **Product images:**



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